GOVERNMENT OF THE
CENTRAL PROVINCES AND BERAR

ANNUAL REPORT

OF THE

PUBLIC HEALTH DEPARTMENT

IN THE

CENTRAL PROVINCES & BERAR

FOR THE YEAR

1939

NAGPUR
GOVERNMENT PRINTING, C. P. & BERAR
1940

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GOVERNMENT OF THE
CENTRAL PROVINCES AND BERAR

PUBLIC HEALTH DEPARTMENT

Nagpur, the 21st August 1940.

READ—

The Public Health Report of the Central Provinces and Berar for the year ending the 31st December 1939, submitted by the Director of Public Health, Central Provinces and Berar.

RESOLUTION

The year 1939 was less unhealthy than the average and was appreciably better for the public health than the preceding year. The death rate fell from 37·57 per mille in 1938 to 31·07 in 1939 owing to a large drop in cholera cases and reduction of mortality under all heads except smallpox and plague. The urban death rate was almost the same as the rural death rate. Infant mortality showed some improvement over the last year's rate especially in the urban area. The birth rate was slightly less than in 1938. The comparative figures of the death rate, especially infant mortality, in this and other provinces given in paragraph 5 of Chaptet III of the report, are a grave challenge to increase the effort to better the conditions affecting public health in this province. While the province has the third highest birth rate in India, it has the highest death and infant mortality rates. Government hopes that with the reorganization and expansion of the Public Health Department by the appointment of a Sub-Assistant Health Officer in each tahsil it will be possible to effect substantial improvement in the whole of the province.

2. As compared with 1938, the year 1939 showed a decrease in deaths recorded from all diseases except plague and smallpox. The death rate from cholera (0·10 per mille) showed a welcome decrease over the previous year's figure (2·71 per mille) which was the result of a serious epidemic. There were 1,661 deaths compared with 45,332 in the preceding year. It is significant that rural areas suffered from the epidemic more than the urban areas, mainly owing to the unsatisfactory nature of water-supply in the province. This emphasizes the urgency of the need for improving the sources of water-supply on which the rural population depends.

A sum of Rs. 2 lakhs out of the Government of India grant of Rs. 6 lakhs for rural reconstruction made in 1936-37 has been earmarked for improvement of rural water-supply, but Government regrets to observe that so far insufficient advantage has been taken of this offer. The main cause of the slow progress is the lack of the prescribed local contribution.

3. As usual, malaria took a heavy toll of life, the mortality attributed to this disease being as much as 54 per cent of the total mortality from all causes. The only defensive weapons against this disease at present are quinine and its products and every effort was made to increase the supply and free issue. Government had reduced the sale price of the drug but is now handicapped by the increase in prices occasioned by war conditions.

4. Smallpox was prevalent in a mild form in all districts except Bhandara. The Vaccination Act was extended to sixty-one villages in the Chanda district and the entire rural area of the Amraoti district, but Government regrets to note that there is still considerable apathy and sometimes even opposition to the extension of compulsory vaccination in spite of its efficacy in combating the disease. Government also considers that at least one re-vaccination should be given to all children, although under the present law this is not compulsory. The main feature of the year was the assumption by Government from district councils of responsibility for supervising vaccination work. Government hopes that this step will effectively check the deterioration in vaccination which had for some time past become noticeable and that it will assist the control of this dangerous disease.

5. Mortality from plague slightly increased, indicating that the comparative freedom of many districts from this disease for some years past may have bred a false sense of security. Certain municipalities have even suspended anti-rat campaigns on the withdrawal of the Government grant-in-aid for the purpose. It is needless to observe that sustained effort is necessary if the possibility of recurrence of the disease is to be entirely ruled out. The number of deaths was 852, compared with 535 deaths of last year.

6. Leprosy is widely prevalent in the province, particularly in the Bilaspur, Raipur, Drug, Chanda, Wardha and Chhindwara districts and in Berar, and the number of deaths from this disease increased to 1,804 [1,579]. The number of persons found to be suffering from the disease was 117,577, 1,181 persons having been found to be newly infected. Attendance for treatment increased from 87,599 to 117,577; 112 cases were discharged symptom-free and 2,459 were recorded as improved. These figures sufficiently indicate the magnitude of the problem presented by this disease which increasing knowledge shows to be evend more prevalent ir this province than was apprehended. During the

year the campaign against the disease was intensified. Four additional leprosy centres and seven sub-centres were opened, making a total of 41 and 58, respectively. Five "leprosy district councils" were established as an experimental measure in the Amraoti, Chanda, Wardha, Buldana and Yeotmal districts, and a scheme for training all Sub-Assistant Health Officers on epidemic duty in leprosy survey, propaganda and treatment work, by opening classes under the Leprosy Specialist at Raipur, was initiated. Government would like to pay its grateful tribute to the Mission to Lepers for the shelter, care and treatment given by them in their settlements in which no fewer than 2,155 lepers and 191 healthy children are given a home. The number of persons thus receiving relief is greater than in any other province in India and without this help and treatment, so freely given, the leprosy problem in this province would be even more intractable than it is. The principal problem in the fight against this scourge is to secure safe and suitable places for segregation of lepers so as to preserve their families and neighbours from the risks of infection arising from contact with persons suffering from the disease in the active state.

7. The mortality from pulmonary tuberculosis fell from 0·11 per thousand in the previous year to 0·07. The four tuberculosis clinics, one each at Nagpur, Jubbulpore, Amraoti and Raipur, are carrying on useful work. In response to Her Excellency the Marchioness of Linlithgow's appeal a Provincial Tuberculosis Association was formed during the year and has been affiliated to the Central Association. The Association is at present planning its campaign for anti-tuberculosis work in the province.

8. Noteworthy among the activities of the Department during the year were the introduction of a motor travelling dispensary at Nagpur which caters for the needs of the population within a radius of 20 miles and gives every promise of success, the increase in the number of epidemic dispensaries from 43 to 68 and the opening of 14 travelling dispensaries out of the Government of India grant for rural reconstruction.

9. Government regrets to note that in spite of the increasing popularity of child welfare centres as shown by the all-round larger attendance at the existing centres there was no increase in the total number of centres. With the highest infant mortality in the country in this province no area can afford to neglect the welfare of infants and there is wide scope for local bodies and philanthropic persons to take up this vitally important work, especially in the rural areas.

10. Figrues of analysis of food-stuffs carried out at the Public Health Institute and by the Public Analysts of the Nagpur and Jubbulpore Municipalities show that inadequate use is made of this means of checking and preventing the evil of adulteration

of food-stuffs, especially ghee and other milk products. More active propaganda appears to be needed to bring the existence and advantages of these facilities to the notice of the local bodies and of the public and the institutions concerned.

11. The thanks of Government are due to Lieut.-Col. S. N. Makand, I.M.S., who showed his usual vigour and understanding in the administration of the department and in the conservation of public health and who has presented a succinct and instructive report. Government also desires to record its appreciation of the good work done by other officers of the department during the year.

By order of the Governor,
Central Provinces & Berar,

C. C. DESAI,
Secy. to Govt., C. P. & Berar,
Public Health Department.

ANNUAL REPORT OF THE PUBLIC HEALTH DEPARTMENT IN THE CENTRAL PROVINCES AND BERAR FOR THE YEAR 1939

CHAPTER I.—METEOROLOGY AND ECONOMIC CONDITIONS

1. (*a*) **Rainfall and climate**—*January*.—Weather during the first three weeks was generally dry, except for a few isolated showers in Bilaspur and Mandla districts. Fairly widespread thunder showers occurred throughout the northern districts, with isolated showers in Berar, in the last week. Total rainfall was in large defect in east Central Provinces and Berar.

February.—Thunder storms occurred locally outside Berar, during the first three days, followed by continued dry weather till the beginning of the fourth week. Scattered thunder-showers, however, occurred in some of the northern districts and there were frequent thunder-showers during last week. Total in large defect in Berar and in moderate defect in the rest of the province. Clouds and humidity normal.

March.—Generally dry during first twelve days. A few falls in northern districts. Rainfall nearly general during 13th to 19th, followed by break for a few days. Showers again occurred between 25th to 28th. Rainfall in large excess.

April.—Generally dry. Fairly widespread light showers for a few days in second and third weeks. Total rainfall in large excess in Berar and in moderate defect elsewhere.

May.—Mainly dry. Rainfall almost cent per cent in defect. Skies less clouded. Humidity in defect.

June.—Generally dry during first week, except for few thunder-showers in northern and eastern districts. Monsoon was established on the 8th and was fairly active till the third week. Caused widespread rain and continued fairly active till about the 28th.

July.—Monsoon was weak in the first week. It strengthened about the beginning of second week. Caused general rain up to 14th. It weakened a little till 18th, after which it strengthened and caused some local heavy falls. Thereafter it weakened for about three days but revived from 24th, causing fairly widespread rainfall on the first few days of the last week in the eastern and northern districts. It was weak in the last few days.

August.—Weak in the first fortnight. Strengthened about the middle of the month and caused widespread rainfall.

September.—Monsoon active. Widespread rain between 4th and 8th. During second week it continued active, caused widespread rain in northern districts and then withdrew but thunder storms were frequent till about the middle of the fourth week. Clouds in excess and humidity normal.

October.—First three weeks, except for scattered thunder-showers, weather was generally dry. Towards the end there was fairly widespread rain. Total mainfall normal in east and in large defect in other two sub-divisions.

November.—Weather generally dry, except for scattered showers in east on 1st and 18th and few falls in Berar on 1st. Rainfall in slight defect in Berar and in large defect in other two sub-divisions. Humidity in defect.

December.—Weather generally dry. Total rainfall in defect in the province. Clouds generally normal.

Taking the year as a whole, the total rainfall was in slight defect in Berar and normal in the other two sub-divisions.

Temperature and rainfall charts are attached as Appendices K and L.

(*b*) **Crops.**—Germination was on the whole satisfactory though some resowing of juar and other minor kharif crops in several districts was necessary. Some damage to crops, owing to high floods in villages of Nagpur, Drug and Raipur districts, was caused during August.

2. **Economic condition.**—No deficiency of foodstuffs. Fodder and water sufficient. Prices generally steady with a slight rise owing to the outbreak of the war. Economic condition of agriculturists ordinary. Money market tight. Sufficient employment for labourers on fairly reasonable wages, except in Nimar, Chhindwara, Wardha, Chanda, Hoshangabad, Saugor and the four districts of Berar, where, owing to the unsatisfactory economic condition of the agriculturists, relief works to provide employment were opened.

CHAPTER II.—VITAL STATISTICS

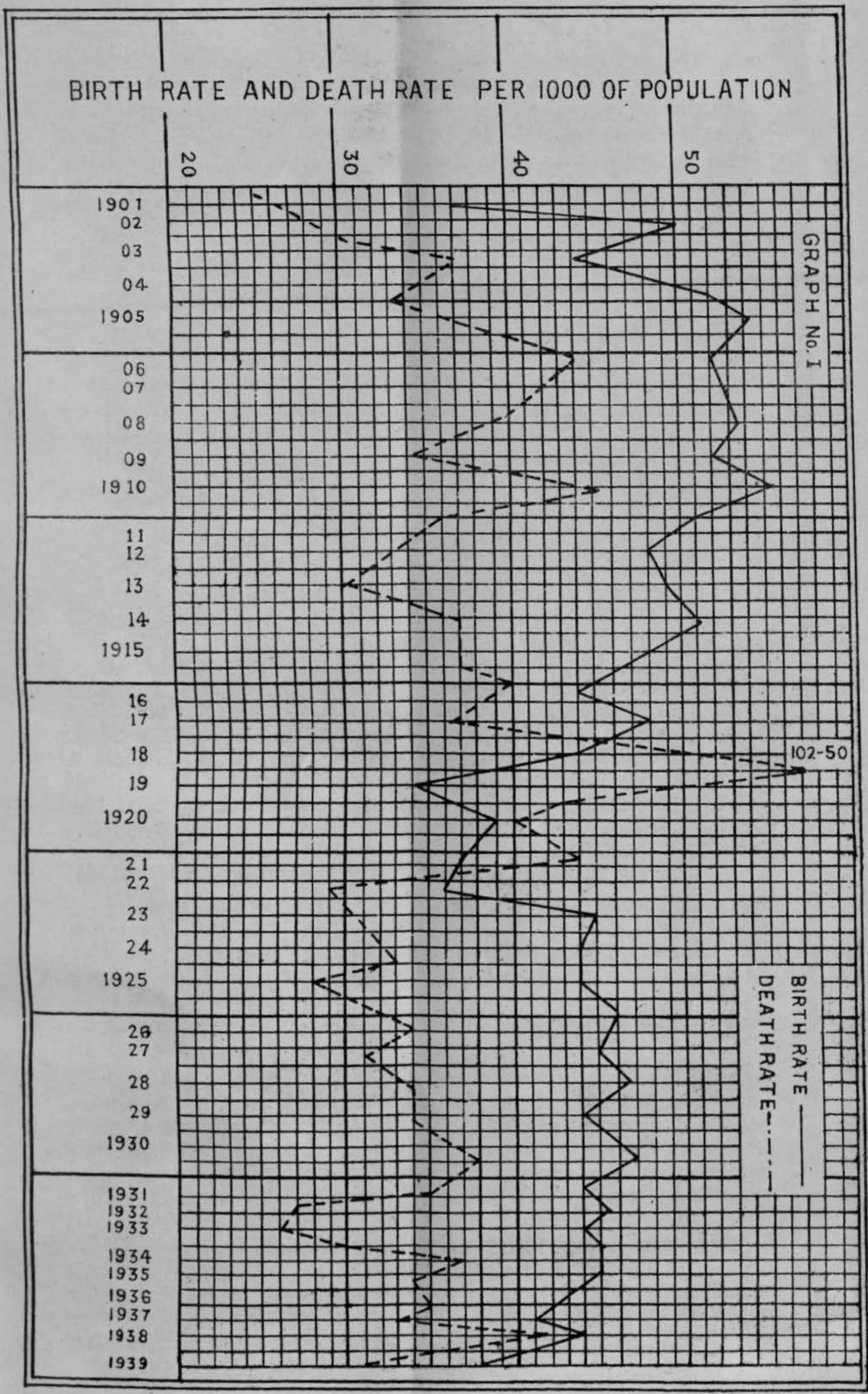
1. **Registration.**—There was no change in the system of registration, compilation and publication of vital statistics.

The following omissions in registering births, deaths and still-births were found on checking kotwars and police registers by Revenue, Police, Vaccination and Medical Officers :—

	Births	Deaths	Still birth
Urban areas ..	4,899	5,188	121
Rural areas ..	7,614	6,969	148

As pointed out in previous reports, the arrangements for adjustments of omissions and corrections in the Vital Statistics registers were not satisfactory. To rectify this, certain suggestions were made to Provincial Government which have been approved and are being carefully followed. It has brought about considerable improvement.

Medical and vaccination staff checked 6,038 and 432,309 entries, respectively, by house to house enquiries. The Director of Public Health investigated the method of registration and checked vital statistics in 43 municipal towns, 2 notified area committees and 18 villages.


BIRTH RATE AND DEATH RATE PER 1000 OF POPULATION
20
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40
50
GRAPH No. I
102-50
BIRTH RATE
DEATH RATE
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1939

2. Population.—(*a*) The 1931 census population of the reconstituted Central Provinces and Berar was 15,323,080.

(*b*) *Estimated population.*—In accordance with letter No. 45-93-39-P.H., dated the 10th February 1940, of the Public Health Commissioner with the Government of India, the estimated mid-year population was 16,587,745 and on this basis the provincial birth and death rates have been calculated.

The distribution of the population was—

Urban areas ...	1,838,243
Rural areas ...	14,749,502
Total ...	16,587,745

Changes in area—*Nil*.

The estimated population according to classes was—

Class.	*Population.*
Hindus ...	14,249,620
Mohammadans ...	738,088
Christians, Europeans and Anglo-Indians.	54,468
Others ...	1,545,569
Total ...	16,587,745

3. Births and birth-rate.—(*a*) The total number of births registered was 634,908 (661,785) consisting of 326,065 (540,412) males and 308,843 (321,373) females, giving a birth rate of 38.28 (39.51) against the quinquennial average of 40.36. The proportion of male births to female births was as 105.58 (105.92) is to 100. The rate of natural increase of population, *i.e.*, the excess of birth over the death-rate, was 7.21 (1.94). Nine districts recorded a higher birth-rate than the provincial average, the chief amongst them being Jubbulpore (46.71), Drug (42.55) and Saugor (42.50). The lowest birth-rate was recorded in Balaghat (32.90).

(*b*) *Seasonal variation.*—As in the previous years, low rates obtained during the first seven months of the year, the lowest (2.45) being recorded in February. Higher rates were recorded in October (4.20), September (4.00), November (3.69), August (3.65) and December (3.28).

Comparative birth-rates for the province during 1901 to 1939 are shown in Graph No. I.

(*c*) *Birth and birth-rates in urban and rural areas.*—The total number of births registered in urban areas was 76,292 (78,501) giving a birth-rate of 41.50 (46.68). The towns which recorded high birth-rates were Drug (78.09), Chhota-Chhindwara (61.84), Jubbulpore (60.77) and Saugor (59.22). Low rates were recorded in Jubbulpore Cantonment (5.78), Kareliganj (15.12), Dattapur (17.23) and Balaghat (25.40).

The total number of births in rural areas was 558,616 (583,284), corresponding to a birth-rate of 37.87 (42.26). The urban and rural birth-rates exceeded the corresponding death-rates by 10.45 and 6.80, respectively. Urban birth rate exceeded rural birth-rate by 3.63 (4.42).

Birth and birth-rates according to classes :—

Classes		Population	Number of births	Birth-rate
Hindus	..	14,249,620	516,136 (545,821)	36.22 (38.80)
Mohammadans	..	738,088	27,251 (29,138)	36.92 (39.48)
Christians, Europeans and Anglo Indians	..	54,468	1,143 (1,091)	20.98 (20.03)
Others	..	1,545,569	90,378 (85,735)	58.48 (55.47)

As compared to previous year, the Hindu and Mohammadan birth-rates show a decrease of 1.98 and 2.56. The birth-rate of Christians and others shows an increase of 0.95 and 3.01, respectively.

4. **Deaths and death-rate.**—(*a*) 515,300 deaths, consisting of 270,609 (320,750) males and 244,691 (302,551) females were registered, giving a corrected death-rate of 31.07 (37.57) against the quinquennial average of 33.63. The proportion of male deaths to female deaths was as 110.59 (108.00) is to 100. Seven districts returned a higher rate than the provincial average (31.07). The most prominent are Saugor (43.23), Jubbulpore (40.00), Hoshangabad (37.61), Nimar (36.83), Betul (34.09), Chhindwara (32.16) and Akola (31.46). The high death-rate in these districts is ascribed to fevers, respiratory diseases and "all other causes".

The lowest death rate was recorded in Bhandara (25.34), followed by Balaghat (26.74) and Raipur and Bilaspur (27.12 each).

(*b*) *Deaths and death-rate in urban and rural areas.*—57,075 (68,211) deaths occurred in urban areas, giving a death-rate of 31.05 (40.56). Among the towns recording high mortality are Saugor Cantonment (52.60), Mandla (51.14), Chhota Chhindwara (49.30), Jubbulpore (44.11) and Khurai (44.02).

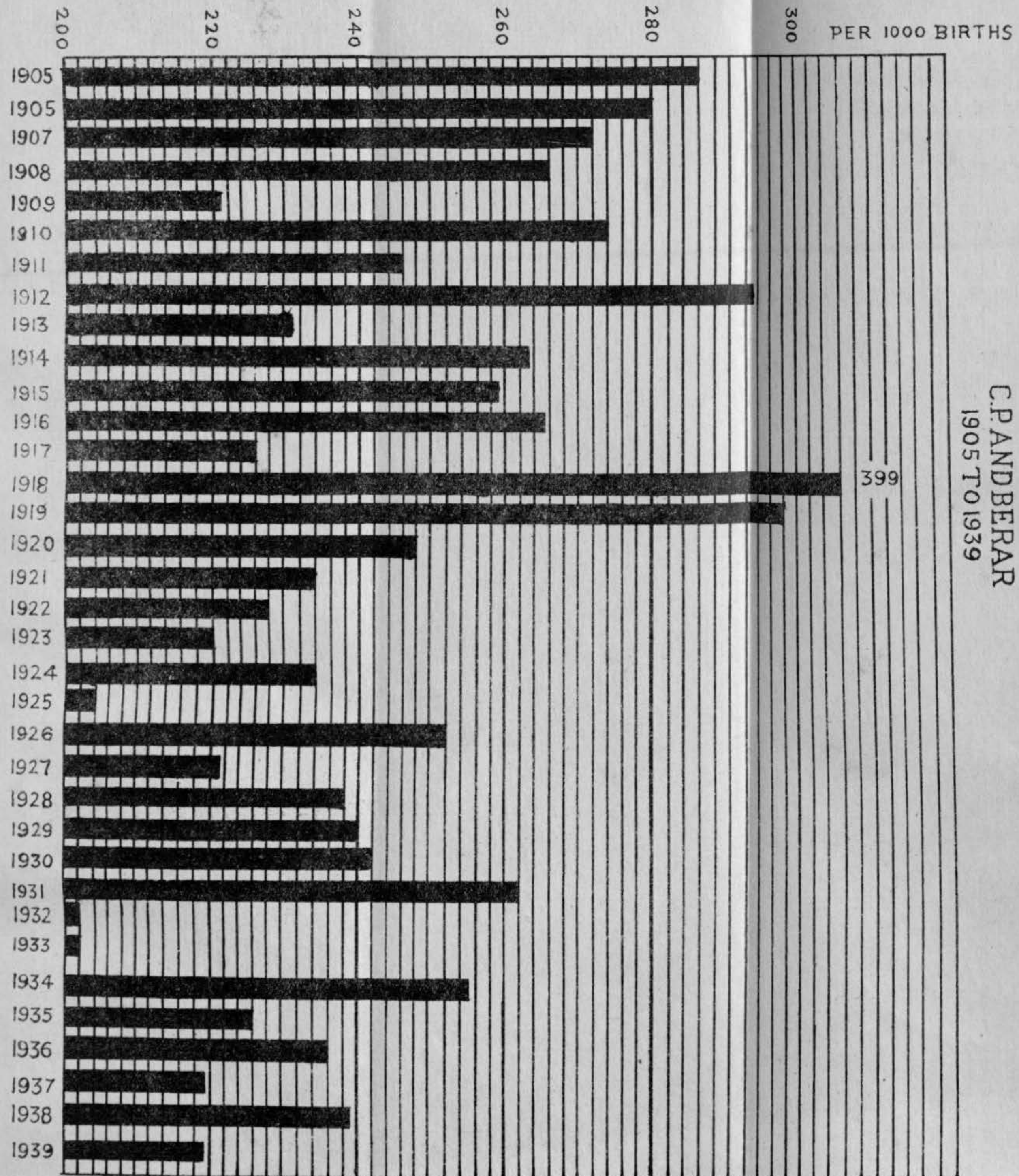
There were 458,225 (561,090) deaths in rural areas, corresponding to a death-rate of 31.07 (33.17). The rural rate exceeded urban rate by 0.02.

(*c*) *Seasonal variations in mortality.*—Severity of mortality rate according to months was in the following order :—

November (3.41), October (3.21), December (3.03), September (2.96), May (2.68), August (2.52), March (2.47), January (2.46), April (2.27), February (2.07), June (2.05) and July (1.94).

The high figures are attributed to Malaria.

(*d*) *Mortality according to sexes.*—270,609 (326,750) occurred among males and 244,691 (302,551) among females, the death-rate for the two sexes being 32.71 (34.72) and 29.43 (31.53), respectively. The proportion of male to female deaths was 110.59 (108.00) to 100.

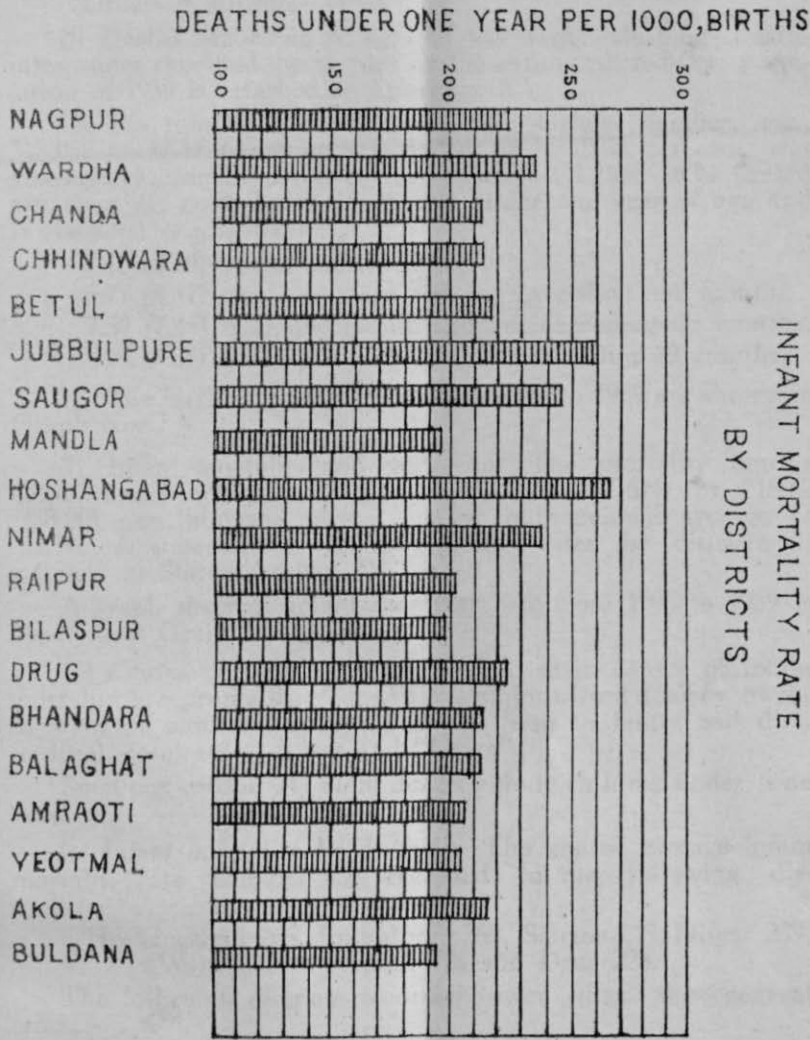


GRAPH No. II

INFANT MORTALITY RATE

C.P. AND BERAR

1905 TO 1939



GRAPH No. III
INFANT MORTALITY RATE
BY DISTRICTS

(*e*) *Mortality according to classes*:—

Hindu death-rate—29.86.

Mohammadan death-rate—27.14.

Christian death-rate—10.50.

Others death-rate—44.80.

(*f*) *Deaths according to age.*—A statement showing death-rates under specified age groups on the estimated mid-year population of 1939 is attached as Appendix A.

Of the total deaths registered, the highest number, *viz.*, 243,050 or 47.17 (45.58 in 1938 and 48.88 in 1937) per cent, was amongst children under five years of age. Of this, 26.94 (25.05) per cent was contributed by infants under one year of age and is classified as follows:—

7.55 (6.58) under one week.

5.77 (5.47) over one week and not exceeding one month.

7.59 (7.45) over one month and not exceeding six months.

6.03 (5.55) over six months and not exceeding 12 months.

(*g*) The birth and death-rates from 1901 to 1939 are shown in Graph No. I.

5. Infant mortality and rates.—(*a*) The mortality among infants under one year of age was 138,806 (157,634) or 218.62 (238.20) per thousand births, against quinquennial average of 233.76. A statement of infant mortality rates by districts is attached as Statement No. IV (*a*).

A graph showing infant mortality rate from 1905 to 1939 is attached as Graph No. II.

(*b*) *Causes of infant mortality.*—The main causes of infant mortality are prematurity, inanition, malnutrition (chiefly owing to want of mother's milk), diarrhœa (due to faulty and dirty feeding), respiratory causes and "fevers".

Smallpox caused 241 (145) deaths among children under one year.

(*c*) *Infant mortality by districts.*—The annual average infant mortality rate (218.62) was exceeded in the following districts:—

Hoshangabad 265, Jubbulpore 260, Saugor 245, Nimar 239, Wardha 236, Nagpur 226 and Drug 223.

The following districts recorded lower than the general rates:—

Buldana 193, Mandla 194 and Bilaspur 195.

A graph illustrating the infant mortality rate in various districts is atttached as Graph No. III.

(*d*) *Seasonal infantile mortality.*—The maximum occurred in November (15,134) and the minimum in February (8,441).

(*e*) *Infant mortality in urban and rural areas.*—16,020 (18,642) infants died in towns, yielding an infant mortality rate of 209.98 (237.47) as compared with 122,786 (138,922) infants in rural areas, giving an infant mortality rate of 219.80 (238.29). The rural rate exceeded the urban rate by 9.82. Among the larger towns

were Saugor (277.02), Jubbulpore (264.40), Khandwa (261.73) and Hoshangabad (256.32).

(*f*) *Infant mortality by classes*—

Hindus 225.09 (243.47).

Mohammadans 180.76 (208.07).

Christians 151.30 (158.57).

Others 193.99 (213.06).

CHAPTER III.—THE STATE OF PUBLIC HEALTH IN THE PROVINCE AND HISTORY OF CHIEF DISEASES

A.—PUBLIC HEALTH

General Remarks on the Health of the province.—In spite of famine in certain tracts and threatened famine elsewhere, the year was comparatively healthy with a death-rate of 31.07 against one of 37.57 in 1938 and 33.62 for the five previous years. The infantile mortality rate was also reduced by 19.58 as compared with the previous year.

Compared with last year, there is a decrease in deaths recorded under all the heads, except plague and smallpox. These recorded a slight rise of 0.03 and 0.02, respectively. The decrease under other heads was cholera (2.61), fevers (1.14), diarrhœa (0.62), respiratory diseases (0.57), dysentery (0.11), injuries (0.01) and other causes 1.49.

The birth-rate was less by 1.23 than in the previous year and by 2.08 than the quinquennial average.

The following is a comparative classification of the chief causes of deaths :—

Causes of mortality	Death-rate per mille of estimated population		Differance (−) or (+)
	1939	1938	
Fevers ..	18.11	19.25	−1.14
Other causes ..	7.89	9.38	−1.49
Respiratory diseases ..	2.66	3.23	−0.57
Diarrhoea ..	1.52	2 14	−0.62
Dysentery ..	0.31	0.42	−0.11
Injuries ..	0.38	0.39	−0.01
Cholera ..	0.10	2.71	−2.61
Plague ..	0.05	0.02	+0.03
Smallpox ..	0.05	0.03	+0.02
	31.07	37.57	−6.50

Comparison of birth-rate, death-rate and infantile mortality rates of different provinces in India :—

	Birth-rate	Death-rate	Infant mortality rate
Central Provinces and Berar ..	38.28	31.07	218.62
Orrisa ..	34.92	28.18	197.41
Bombay ..	43.16	27.55	157.70
Madras ..	38.53	25.26	175.50
Burma ..	35.34	25.09	203.85
United Provinces ..	36.26	23.09	139.45
Bihar ..	33.3	23.0	155,3
Punjab ..	40.82	22.15	167.57
Bengal ..	32.02	21.85	146.65
Assam ..	28.44	19.25	149.73
North-West Frontier Province	29.98	17.27	130.52
Sind ..	20.88	11.55	105.75

B.—Chief Diseases

1. **Cholera.**—(*a*) *Deaths and death-rate.*—The total number recorded was 1,661 (45,332), giving a death-rate of 0.10 (2.71). The district order of prevalence was—

> Buldana (540), Amraoti (512), Akola (164), Saugor (98), Jubbulpore (78), Bilaspur (77), Chanda (70), Bhandara (41), Hoshangabad (18), Nagpur (17), Mandla and Drug (12 each), Raipur (10), Yeotmal (6), Wardha (3), Chhindwara, Nimar and Balaghat (one each).

The highest mortality (479) was recorded in September and the lowest (16) in June. The incidence of the disease by districts and months is given in annual Form No. VII attached to the report. The disease broke out in January in the districts of Jubbulpore, Saugor, Bilaspur, Akola and Buldana and thence it spread to the rest of the province. The district of Betul remained free. The infection was of a fairly severe type but the epidemic was not extensive. Out of 4,307 attacks, 1,661 (908 males and 753 females) died, or a case mortality of 39 (49) per cent.

(*b*) One hundred and sixty-seven (3,615) deaths were reported from urban and 1,494 (41,717) from rural areas in 472 villages, corresponding to a ratio of 0.09 (2.15) and 0.10 (3.06), respectively, which shows that the rural areas suffered more, chiefly owing to indifferent water-supply.

A graph showing the death-rate from cholera since the year 1891—1939 is attached as Graph No. IV.

2. **Smallpox**—(*a*) *Deaths and death-rate*.—The total number of deaths recorded was 762 (460) giving a ratio of 0.05 (0.02), 241 deaths occurred among children under one year of age, 348 between ages of one to ten and the remaining 173 among adults. Deaths were reported throughout the year from almost all districts, except Bhandara, Balaghat and Yeotmal. The largest number occurred in April and the lowest in September. The district order of prevalence was Nimar (216), Hoshangabad (206), Jubbulpore (136), Buldana (88) and Nagpur (45).

A statement of mortality by months and districts is given in annual Form No. VIII attached to the report.

4,834 (1,901) attacks were recorded, giving a case mortality of 16 (22) per cent.

(*b*) 272 (199) deaths were reported from urban and 490 (210) from rural areas, corresponding to death-rates of 0.05 (0.12) and 0.03 (0.02), respectively.

(*c*) There are no separate smallpox hospitals but cases of smallpox are treated in isolation hospitals and infectious diseases blocks in the main hospitals.

The details regarding vaccinal condition of smallpox cases treated are as follows :—

(i) Vaccinated as evidenced by presence of one or more vaccination cicatrix—51.

(ii) Stated to have been successfully vaccinated but no vaccination cicatrix present—55.

(iii) Stated to be unvaccinated or vaccinated unsuccessfully and no vaccination cicatrix present—74.

(iv) Previously unvaccinated but vaccinated during incubation period of smallpox—*Nil*.

(v) Stated to have been successfully revaccinated—*Nil*.

(vi) Condition not known—152.

A graph showing the death-rate from 1901 to 1939 is attached as Graph No. V.

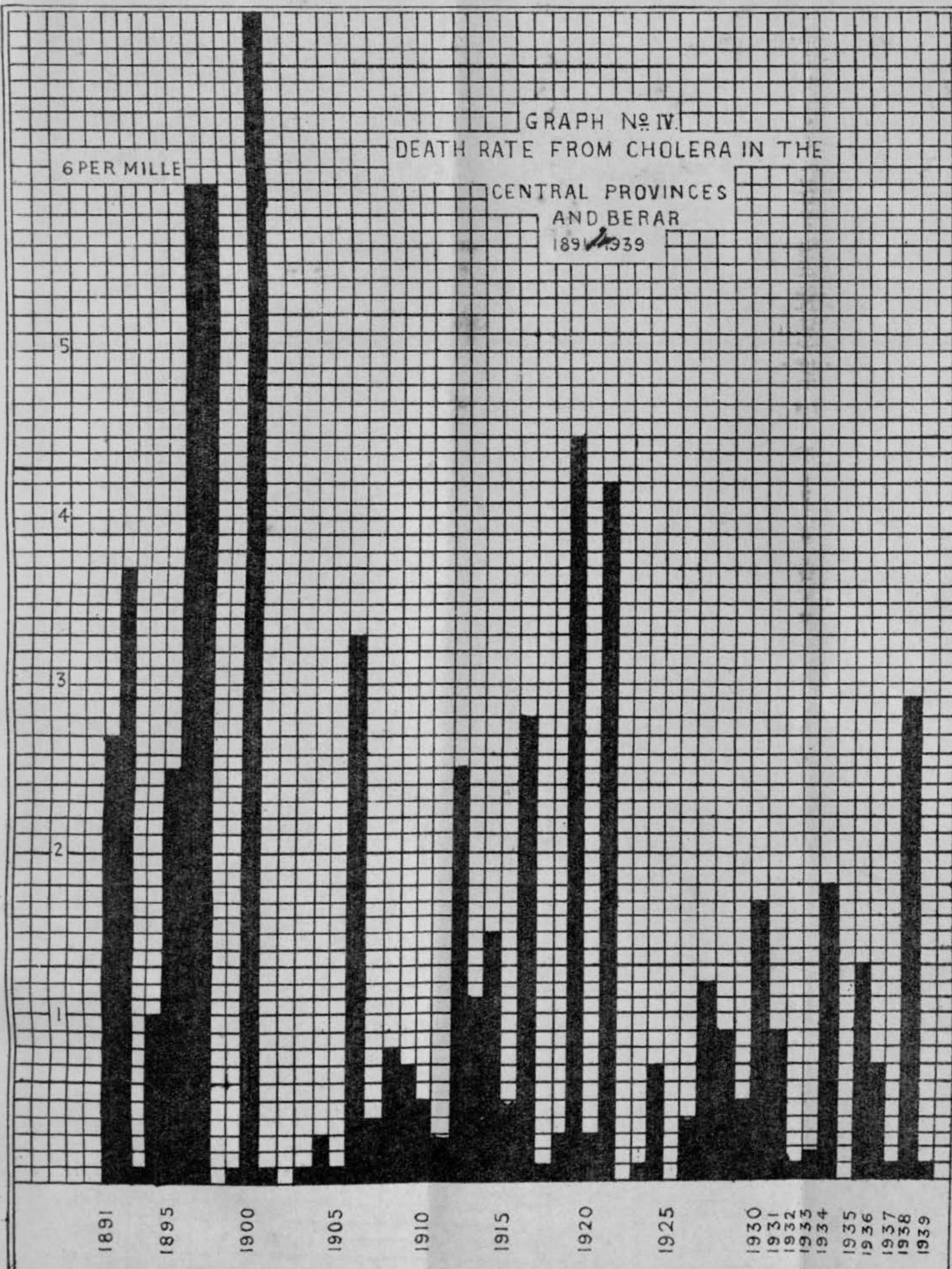
3. **Plague**—(*a*) *Deaths and death-rate*.—The number recorded was 852 (535) with a death-rate of 0.05 (0.02).

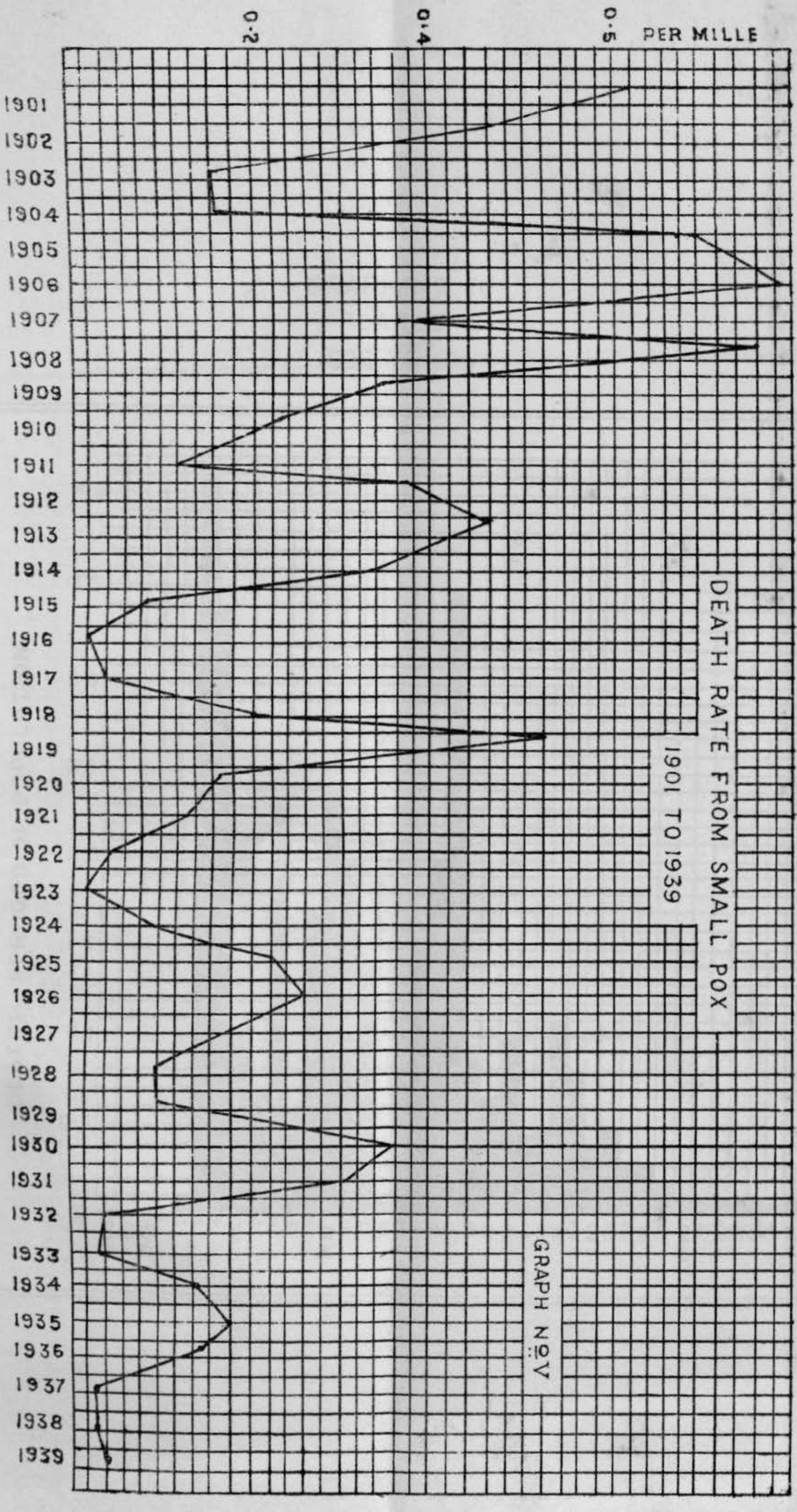
Deaths were reported throughout the year excepting the months of June and July. Eight districts were affected and 11 remained free. The district (inclusive of towns) order of severity was—Jubbulpore (305), Hoshangabad (221), Saugor (220), Mandla (49), Chhindwara (29), Betul (19), Yeotmal (7) and Balaghat (2).

A statement showing mortality by districts and months is given as annual Form No. XII, attached to this report.

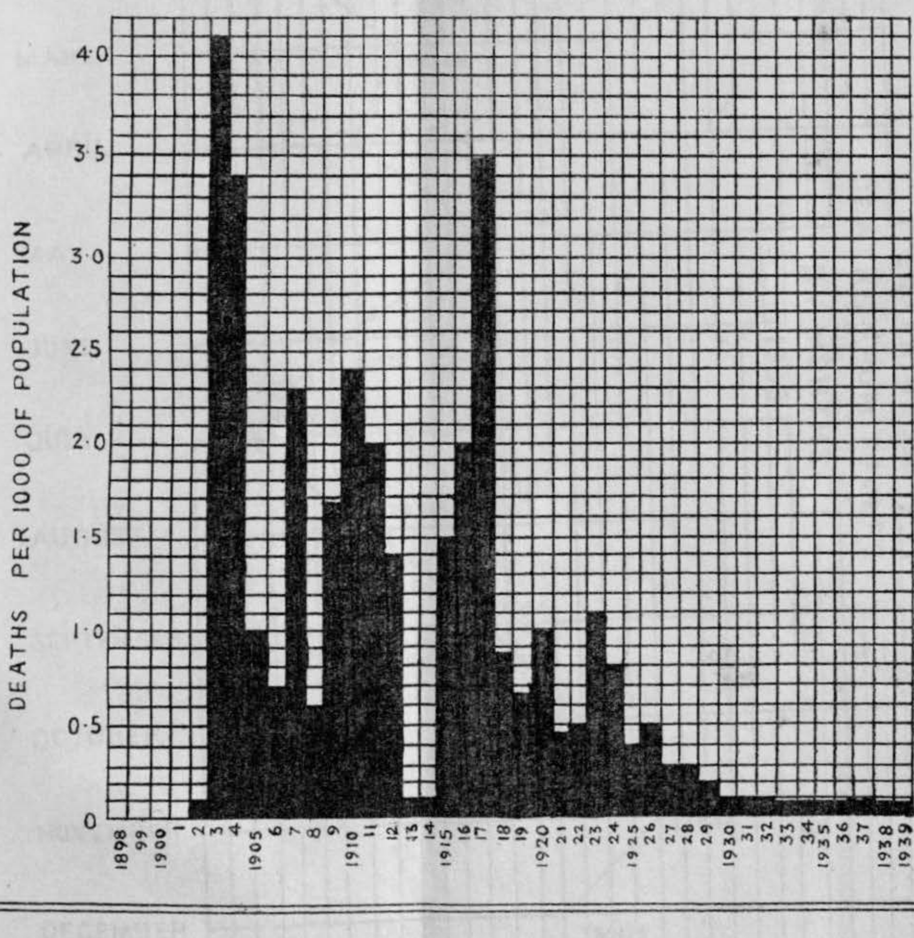
There were 8,359 (5,713) attacks, giving a case mortality of 10.10 (9.74) per cent. The infection was of a mild type.

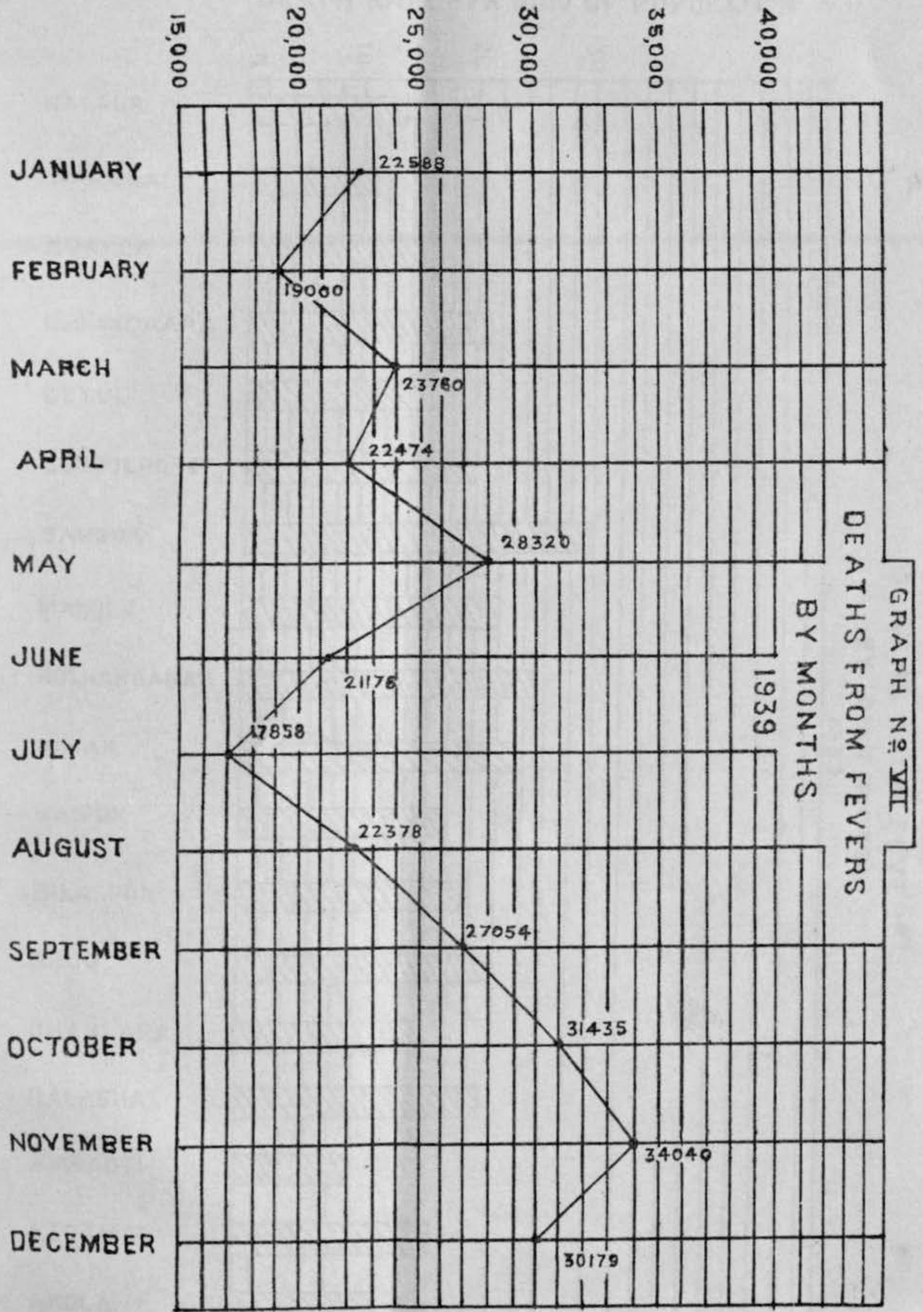
(*b*) *Deaths and death-rates in urban and rural areas*.—There were 101 (58) deaths from urban and 751 (477) from rural areas, corresponding to death-rates of 0.05 (0.03) and 0.05 (0.04), respectively.

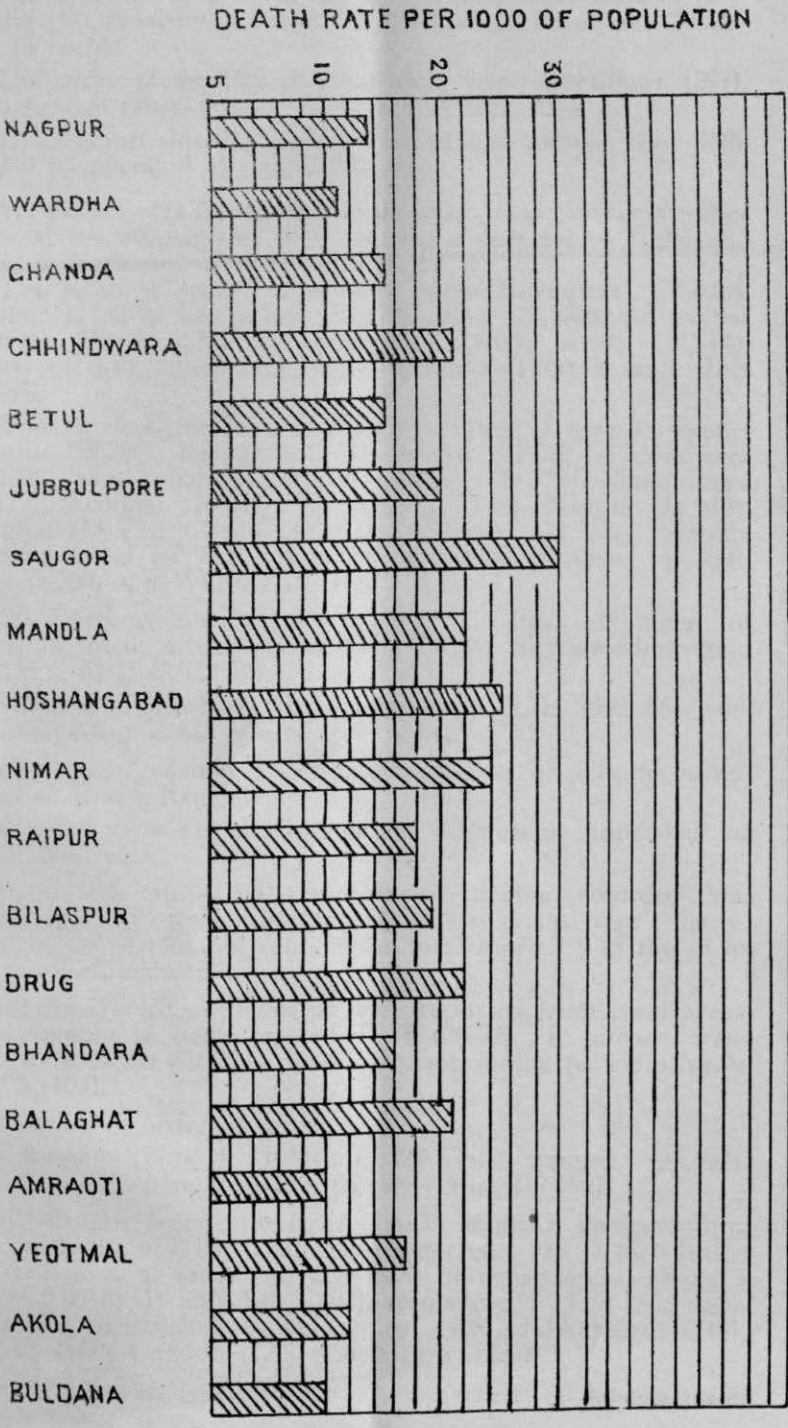

GRAPH No. IV.
DEATH RATE FROM CHOLERA IN THE
CENTRAL PROVINCES
AND BERAR
1891-1939
6 PER MILLE
5
4
3
2
1
1891
1895
1900
1905
1910
1915
1920
1925
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939


PER MILLE
0·2
0·4
0·5
DEATH RATE FROM SMALL POX
1901 TO 1939
GRAPH No V
1901
1902
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939

GRAPH No VI
PLAGUE
1898 TO 1939




GRAPH No. VII
DEATHS FROM FEVERS
BY MONTHS
1939
15,000
20,000
25,000
30,000
35,000
40,000
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
22588
19000
23760
22474
28320
21176
17858
22378
27054
31435
34040
30179



GRAPH No. VIII
DEATHS FROM FEVERS
BY DISTRICTS
1939

The order of severity in the urban areas was—Damoh (20), Mandla (12), Narsinghpur and Deori (10 each) Betul and Gadarwara (8 each).

The order of severity in rural areas was—Jubbulpore (297), Hoshangabad (199), Saugor (184), and Mandla (37).

(*c*) A graph showing deaths from plague for the years 1898 to 1939 is appended as Graph No. VI

4. Fevers—(1) *Deaths and death-rates from fever.*—Number recorded was 300,322 (322,404), showing a decrease of 22,082 and giving a death-rate of 18.11 (21.04).

The seasonal order of severity was—November (34,040), October (31,435), December (30,179), May (28,320), September (27,054), March (23,760), January (22,588), April (22,474), August (22,378), June (21,176), February (19,060) and July (17,858).

The districts (inclusive of towns) in order of severity were—Bilaspur (28,280), Raipur (27,724), Saugor (27,269), Chhindwara (21,939), Hoshangabad (21,179), Drug (19,917), Jubbulpore (17,137), Yeotmal (16,098), Bhandara (15,110), Nagpur (14,946), Balaghat (13,123), Chanda (12,927), Nimar (12,116), Mandla (11,006), Akola (10,955), Amraoti (10,156), Buldana (7,969), Betul (6,260) and Wardha (6,211).

(2) *Death-rates in urban and rural areas.*—Number of deaths in urban areas was 21,006 (22,018), corresponding to a death-rate of 11.43 (11.76).

Number of deaths in rural areas was 279,316 (300,386), corresponding to a death-rate of 18.94 (22.02).

(3) A graph showing deaths from fevers by months is enclosed as Graph No. VII.

A graph showing death-rates by districts is appended as Graph No. VIII.

(i) *Malaria.*—(*a*) Total number of deaths recorded was 276,432 (302,250), or a decrease of 25,818 over last year's figure. It represents 54 (48) per cent of the total mortality of the province from all causes.

(*b*) 262,171 (285,399) deaths were reported from rural areas, corresponding to death-rate of 17.77 (20.92). In urban areas there were 14,261 (16,851) deaths, corresponding to a death-rate of 7.75 (10.01).

Districts in order of severity—

Raipur (27,668), Bilaspur (27,638), Saugor (25,402), Hoshangabad (20,905) and Drug (19,594).

(ii) *Enteric fever.*—(*a*) 1,287 (1,813) deaths, corresponding to a death-rate of 0.08 (0.12), were reported. 959 (1,455) deaths occurred in rural areas and 328 (358) in urban areas, giving a rate of 0.06 (0.11) and 0.18 (0.02), respectively. The most seriously affected districts were—Yeotmal (408), Jubbulpore (213), Nagpur (135), Chanda (122) and Saugor (120).

(*b*) 2,818 cases (with 84 deaths) were treated in hospitals and dispensaries.

(iii) *Relapsing fever.*—The number of deaths registered was 208 (312), or a death-rate of 0.01 (0.02). These deaths were not verified by any medical officer and are doubtful.

(iv) *Kala azar.*—Ten deaths were reported. Fifteen cases with no deaths were treated in hospitals and dispensaries, *viz.*, Jubbulpore (10), Nagpur, Mandla, Raipur, Chhindwara and Balaghat (one each).

(v) *Influenza.*—236 (330) deaths were reported, giving a death-rate of 0.01 (0.02). 61,555 cases with 10 deaths were treated in hospitals and dispensaries. The highest number was reported from Nagpur (9,225) followed by Amraoti (7,977), Jubbulpore (7,113), Akola (4,570) and Buldana (3,988).

(vi) *Cerebrospinal meningitis.*—34 (33) cases with 21 (21) deaths were reported, corresponding to a case mortality of 62 (67) per cent. The districts affected were—Nagpur (9), Jubbulpore (4), Saugor, Bilaspur and Yeotmal (2 each) and Wardha and Amraoti (one each).

A statement showing the mortality by months is given in Appendix H.

Temporary Cerebrospinal Meningitis Regulations under the Epidemic Diseases Act were applied to the towns of Nagpur and Jubbulpore and the district of Nagpur.

(vii) *Typhus.*—642 (907) deaths were registered, corresponding to a ratio of 0.04 (0.06). The highest number reported was—Wardha (374) and Yeotmal (123). No case was medically confirmed.

(viii) *Measles.*—1,492 (1,396) deaths, with a death-rate of 0.09 (0.09) were reported.

(ix) *Blackwater fever.*—59 (235) deaths, equal to a death-rate of 0.003 (0.02). None of these deaths were medically confirmed.

(x) *Pyrexia of unknown origin.*—The number of deaths recorded was 19,935 (15,134) or a death-rate of 1.20 (0.09) per mille of population.

5. **Dysentery and diarrhœa.**—(i) (*a*) Dysentery was reported to have caused 5,074 (6,927) deaths, amounting to a death-rate of 0.31 (0.45). It prevailed in the following districts in order of severity :—

Bilaspur (1,299), Raipur (681), Hoshangabad (582), Chhindwara (416) and Jubbulpore (403).

(*b*) Death-rate in urban and rural areas was 0.36 (0.45) and 0.30 (0.45), respectively.

(ii) (*a*) *Diarrhœa.*—There were 25,361 (35,866) deaths, amounting to death-rate of 1.52 (2.34).

(*b*) Death-rate in urban and rural areas was 2.16 (3.15) and 1.45 (2.24), respectively.

The district order of severity was—Akola (4,845), Balaghat (4,476), Buldana (2,958), Yeotmal (2,286), Jubbulpore (1,985), Wardha (1,719) and Nagpur (1,011).

6. **Respiratory diseases.**—44,131 (54,137) with a death-rate of 2.66 (3.53). These deaths include 36,696 (44,581) other respiratory diseases, 3,539 (4,455) pneumonia, 2,733 (3,437) whooping

cough and 1,163 (1,664) pulmonary tuberculosis, with a death-rate of 2.21 (2.91), 0.21 (0.29), 0.16 (0.32) and 0.07 (0.11), respectively.

(i) *Pneumonia—Deaths and death-rate in urban and rural areas.*—1,492 (1,730) deaths in urban and 2,047 (2,725) in rural areas were registered, corresponding to a death-rate of 0.81 (1.03) and 0.14 (0.20), respectively. The district order of severity (inclusive of towns) was—Nagpur (974), Amraoti (457), Buldana (451), Wardha (361), Akola (333), Saugor (170), Yeotmal (157) and Nimar (136).

(ii) *Whooping cough.*—There were 2,733 (3,437) deaths, corresponding to a death-rate of 0.16 (0.32). 381 (529) in urban and 2,352 (2,908) in rural areas.

(iii) *Pulmonary tuberculosis—(a) Deaths and death-rate.*—1,163 (1,664) deaths were reported, giving a death-rate of 0.07 (0.11). The number shows a decrease over last year's figures by 501. The districts chiefly affected were—Nagpur (266), Saugor (116), Nimar (99), Chhindwara (89), Hoshangabad (86) and Buldana (80).

(b) Death-rate in urban and rural areas.—Urban areas 0.28 (0.25) and rural areas 0.04 (0.09).

(c) Hospital treatment.—The disease was prevalent in the larger towns of this province. 4,350 (5,009) cases with 23 (146) deaths were treated in hospitals and dispensaries, *viz.*, Nagpur (1,024), Jubbulpore (391), Raipur (370), Akola (338) and Amraoti (304).

Reports received from Tuberculosis Sanitorium, Pendra (Bilaspur district), show an opening balance of 111 and 165 admissions, making a total of 276. Out of these, 9 died, 117 discharged as improved, 32 discharged as unimproved and 118 remained at the end of the year. Total number of beds at the end of year was 125 (115).

(d) Four Tuberculosis clinics, one each at Nagpur, Jubbulpore, Amraoti and Raipur, were established and the work done by these clinics was as follows :—

Number of patients attended—6,990.

Number found positive to tuberculosis—1,904.

Number of cases visited and advised at their houses—965.

Number of sputa examined—2,896.

Number of sputa found positive to tuberculosis—715.

Number of X-Ray examinations made—4,953.

Number giving positive signs—1,650.

Number of Pneumothorax operations performed—1,704.

Number of deaths amongst patients attending the clinics—214.

Number of patients who ceased to attend clinics—270

(iv) *Other respiratory diseases.*—36,696 (44,581) deaths, corresponding to death-rate of 2.21 (2.91).

7. **Other causes**—(i) *Beri-beri.*—71 (129) deaths, corresponding to a death-rate of 0.004 (0.01) .22 cases, with no deaths were treated in hospitals and dispensaries. The other deaths are not

medically verified. The highest in Saugor and Raipur (7 cases each) following Jubbulpore, Drug and Bilaspur (2 each) and Nagpur and Bhandara (one each).

(ii) *Acute poliomyelitis.*—5 (4) deaths were registered. None of these were verified by medical officers.

(iii) *Diphtheria.*—42 (61) deaths were recorded, the highest (9) being reported from Raipur followed by Balaghat (6), Chhindwara, Betul and Yeotmal (4 each) and Akola and Buldana (3 each).

(iv) *Chicken-pox.*—There were 462 (410) deaths with a ratio of 0.03 (0.03). Order of severity is as follows :—

Jubbulpore (156), Hoshangabad (81), Bilaspur (60), Saugor (34) and Buldana (24).

(v) *Mumps.*—68 (29) deaths were reported from the districts :—Nimar (49), Saugor (7), Balaghat, Amraoti and Yeotmal (2 each), Nagpur, Hoshangabad, Raipur, Bhandara, Akola and Buldana (one each).

(vi) *Tuberculosis of joints.*—There were 1,410 (1,591) deaths with a ratio of 0.08 (0.10). Amraoti (252), Akola and Buldana (123 each), Chhindwara (113), Bilaspur (97) and Jubbulpore (75).

(vii) *Other tuberculosis diseases.*—3,358 (3,923) deaths were reported, corresponding to a death-rate of 0.20 (0.26). The district order of severity was—Nagpur (400), Amraoti (400), Akola (381), Bilaspur (322), Buldana (256) and Yeotmal (244).

(viii) *Still-births.*—The total number of still-births registered was 16,619 (16,480) consisting of 9,267 (9,229) males and 7,352 (7,251) females. Of these, 13,391 (7,487 males and 5,904 females) occurred amongst Hindus, 882 (489 males and 393 females) amongst Mohammadans, 53 (30 males and 23 females) amongst Jains, 47 (29 males and 18 females) amongst Christians, 4 (4 females) amongst Parsis and 2,242 (1,232 males and 1,010 females) amongst others. The higher figures pertain to Raipur (3,671), Bilaspur (2,823), Drug (2,488), Amraoti (1,357) and Buldana (1,255).

Male still-births exceeded female still-births by 1,914 or by 11.5 (12.0) per cent of the total number of children born. 2.4 (2.4) per cent were still-born.

8. **Miscellaneous**—(i) *Diabetes.*—586 (563) cases with 18 (21) deaths were treated in all the hospitals and dispensaries, chiefly at Nagpur (100), Bilaspur (82), Raipur (78), Jubbulpore (48), Nimar and Amraoti (42 each).

(ii) *Scurvy.*—349 (367) cases with 3 (3) deaths were treated in hospitals and dispensaries, chiefly at Wardha (79), Nagpur (75), Buldana (60) and Nimar (41).

(iii) *Venereal diseases.*—137 (148) deaths were registered The following cases were treated in hospitals and dispensaries :—

Syphilis—22,615 cases with 39 deaths.

Gonorrhœa—16,704 cases.

Soft Chancre—1,430 cases.

Other diseases of venereal origin 3,019 with 10 deaths.

The districts recording the high incidence are Raipur (8,461), Nagpur (4,968), Bilaspur (4,488), Akola (3,246), Amraoti (3,160) and Jubbulpore (2,938).

(iv) *Guinea worm.*—793 (1,117) cases were treated in hospitals and dispensaries chiefly as follows:—

Bhandara (139), Akola (130), Nimar (100), and Amraoti (94).

The disease was specially prevalent in the Hatta tahsil of the Damoh sub-division of Saugor district. Source of infection was largely step-wells. Every attempt is being made to induce the authorities to convert these wells into draw wells but the response is slow. Majority of step-wells are privately owned and there is at present no law for their compulsory conversion.

(v) *Hook-worm.*—The examination of and treatment for hook-worm was carried out as before in Nagpur, Jubbulpore, Raipur, Narsinghpur, Akola and Amraoti jails. One hundred and seventy-five cases were discovered of which 173 have been cured.

(vi) *Injuries.*—6,325 (6,574) deaths were registered. Of these, 1,332 (1,357) were due to suicide and 307 (305) to homicide, 3,238 (2,284) to wounds and accidents, 996 (1,136) to snake-bites, 221 (246) to wild animals and 231 (246) to rabies.

(vii) *Rabies.*—There were 231 (246) deaths, 32 in municipal towns and 199 in rural areas. Urban areas:—Jubbulpore (6), Nagpur (4), Harda and Amraoti (3 each) and Brahmapuri, Khurai and Pusad (2 each).

Rural areas:—Bilaspur (28), Jubbulpore (18), Saugor (17), Amraoti (16) and Chanda (15).

The number of cases treated at anti-rabic centres during the year was, Jubbulpore (417), Nagpur (378), Khandwa (167)) Hoshangabad (156), Chhindwara (141), Saugor (93), Akola (91), Amraoti (91), Wardha (83), Raipur (80) and Chanda (66).

The number of stray dogs destroyed in urban and rural areas was 13,197 (13,696) and 123 (50), respectively.

(viii) *Leprosy.*—The number of deaths from this cause was 1,804 (1,579). The disease was prevalent all over the province but particularly in Bilaspur, Raipur, Drug, Chanda, Wardha, Chhindwara, Amraoti, Yeotmal, Buldana, Akola and Nimar districts.

During the year, four additional leprosy centres were established at (1) Kashikhed (in Amraoti district), (2) Paraseoni (in Nagpur district), (3) Borakhedi (in Buldana district), and (4) Ratanpur (in Bilaspur district), making a total of 41 (37) centres. The number of sub-centres was 58 (51).

Owing to the absence of any major epidemics, the Sub-Assistant Health Officers, on leprosy duty, were not disturbed from their duties, except for few months in the beginning of the year when three Leprosy Sub-Assistant Health Officers were deputed for cholera work.

Total attendance during the year was 117,577 (87,599).

946 (588) sedimentation and 1,877 (1,091) Kahn's tests were performed with 723 (433) positive results.

The number of symptom-free and improved cases was 112 (118) and 2,459 (1,542), respectively.

Systematic resurvey and active propaganda was carried out, resulting in the discovery of 1,181 (409) new cases which were brought under treatment.

In order to facilitate study of the exact situation with regard to leprosy in the province, a scheme has been introduced for the training of all Sub-Assistant Health Officers on epidemic duty in the Public Health Department, in leprosy survey, propaganda and treatment work, by opening classes of one week's duration at Raipur, under the Leprosy Specialist. By this arrangement, it will be possible for all Sub-Assistant Health Officers to understand and carry out leprosy survey work in the province. During the year, 12 epidemic Sub-Assistant Health Officers were sent for the said training.

During the year, five leprosy district councils, *viz.*, at Amraoti, Chanda, Wardha, Buldana and Yeotmal, were established as an experimental measure for leprosy propaganda work, and a sum of Rs. 1,200 was paid to them for the same.

A sum of Rs. 8,775 was received from the British Empire Leprosy Relief Association (Indian Council). This, with the opening balance and interest on deposits, made up a total of Rs. 19,541-2-6. The expenditure was Rs. 8,619-9-6 and the balance in hand on the 1st April 1940 was Rs. 10,921-9-0.

There are in the province 11 Assistant Surgeons, 18 Assistant Medical Officers and 16 Private Medical Practitioners who have received special training in leprosy at the School of Tropical Medicine, Calcutta.

Eight Leprosy Sub-Assistant Health Officers were given a refresher course by the Leprosy Specialist, Raipur, in leprosy propaganda, survey and treatment work, for a period of one week.

(ix) *Cancer.*—124 (95) deaths were registered from the districts of Nagpur (78), Mandla (14), Amraoti (13), Jubbulpore (4), Saugor, Akola and Buldana (3 each), Yeotmal (2) and Wardha, Raipur, Bilaspur and Balaghat (one each). These deaths have not been medically verified.

(x) *Yaws.*—During the course of their tour, Sub-Assistant Health Officers of Chanda, Bilaspur and Drug came across 1,778 cases of Yaws in the districts of Chanda, Bilaspur and Drug (Chanda 1,741, Bilaspur 17, and Drug 20). All these cases have been brought under treatment and so far 2,642 tubes of Sulfarsenol and 629 tubes of Neosalvarsan have been issued to Civil Surgeons.

(xi) *Deaths from Child-birth.*—There were 5,600 (6,539) deaths from child-birth of which 910 (953) were registered in municipal and other towns and 4,690 (5,586) in rural areas. This corresponds to one maternal death to every 86 (84) urban and 122 (107) rural births, including still-births.

The general, urban and rural maternal death-rates are 8.60 (9.64), 11.65 (11.86) and 8.18 (9.34), respectively.

CHAPTER IV.—EPIDEMIOLOGY

1. **Cholera.**—There were 4,307 (93,073) attacks and 1,661 (45,332) deaths, corresponding to a death-rate of 0.10 (2.71).

(*a*) *History and course of the epidemic.*—During the year, the disease was prevalent in the districts of Nagpur, Wardha, Chanda, Chhindwara, Jubbulpore, Saugor, Mandla, Hoshangabad, Nimar, Raipur, Bilaspur, Drug, Bhandara, Balaghat, Amraoti, Yeotmal, Akola and Buldana.

Nagpur district.—In the month of April, four sporadic cases were reported from two police station-houses, while in the month of July, cholera cases were noticed in Nagpur city, following imported fatal cases from Pandharpur fair and Bombay. Infection from these was carried along road and rail to other parts of the district but subsided in September and the district remained free till the end of the year.

Total—65 attacks and 17 deaths.

Wardha district.—Three suspended cases were reported from Shegaon village in the month of April. They were treated by the Sub-Assistant Health Officers and recovered. In August, the disease broke out at Wardha and Arvi towns with 5 cases and 2 deaths. The epidemic was checked before it could spread to other parts of the district. In the month of September it broke out in a mild form at Pargothan railway quarters in Arvi tahsil. Prompt precautionary measures were taken by railway authorities and the Sub-Assistant Health Officers. No further cases were reported.

Total—13 cases and 3 deaths.

Chanda district.—In the month of March, the disease appeared at village Kanhargaon and Ballarpur collieries whence it spread to other three villages. In April and May, the disease continued and spread to other villages. The district was free during the months of June and July. In the month of August the disease again appeared at village Sironcha and spread to one town and four villages. The district was free during the month of September. In the month of October, the disease broke out at villages Jamgaon Kale in Warora station-house and Nagpur in Chanda station-house, whence it spread to other villages. The source of infection was from Yeotmal district where the disease was prevalent. The disease was absent in the months of November and December.

Total—192 attacks and 70 deaths.

Chhindwara district.—There were sporadic cases. In May, there was one death in Chhindwara town. In June and July, a few cases were reported from Chaurai and Thuniabhand villages.

Total—3 attacks and 1 death.

Jubbulpore district.—The disease continued from the previous year and prevailed from January to November. The district was free during December.

Total—131 attacks and 78 deaths.

Saugor district.—In the month of January, one imported fatal case from Dhanora in Tikamgarh State was reported from Damoh town and three (indigenous) attacks and one death were

reported from Garhakota town. In the month of February, the disease spread to other villages in a mild form. No cases were reported from March to December.

Total—174 attacks and 98 deaths.

Mandla district.—One sporadic case was reported during June. In August, 30 cases and eight deaths were reported from Mawai and Shahpura police station-houses, while in September and October, seven cases and two deaths and eight cases and six deaths, respectively, were reported. There were 46 attacks and 12 deaths.

Hoshangabad district.—In February, one case was reported from Chipabar police station-house. On verification by the Sub-Assistant Health Officer it was found to be a case of malaria. One genuine case was brought to the Pachmarhi hospital from Mahadeo fair and discharged as cured. In the month of March, 15 cases and four deaths were reported from six villages in Narsinghpur sub-division. On enquiry they were found to be cases of malaria and diarrhœa. In the months of April and May, the cases and deaths that were reported as of cholera were, on verification, found to be of other ailments, such as malaria, etc. In the months of June, July and August, one sporadic case was reported each from Melan Piparia village, Gadarwara town and Temerni village. In all, 61 cases and 18 deaths were reported.

Nimar district.—In July, one case of cholera was reported from Mundi police station-house, but on verification it was found to be a case of acute, entero-colitis. In August, two fatal cases were reported from the town of Burhanpur and village Barud. On enquiry it was found that the one was a doubtful case and the other was of diarrhœa. There were 3 cases and one death.

Raipur district.—Three cases were reported from Sihawa police station-house in the month of April but source of infection could not be traced. In the month of May, three cases and one death were reported from Magerlod police station-house and the source of infection is said to have been from Bhandara district where the disease was prevalent. The source of infection was traced to Allahabad and Sambalpur districts. The district was free during December. In all 64 cases and 10 deaths.

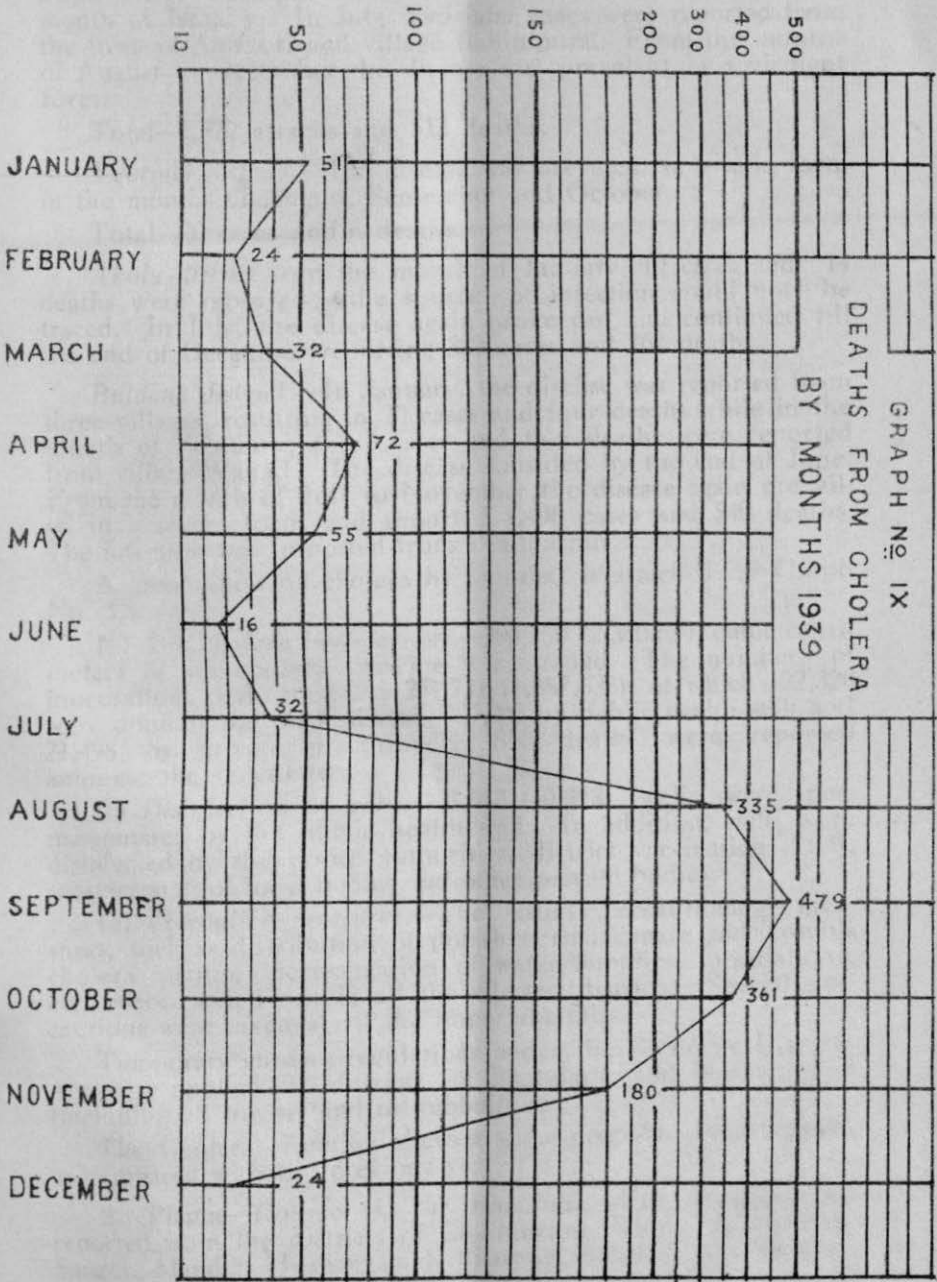
Bilaspur district.—The disease was prevalent in a mild form from January to December except in the month of May which remained free.

Total—164 attacks and 77 deaths.

Drug district.—The disease occurred in a mild form in the months of June, July, August, September and November and recorded 45 attacks and 12 deaths.

Bhandara district.—The disease was reported from village Madeghat in the month of March, resulting in two cases and two deaths. From the month of April to August, it was prevalent in a mild form and caused 121 attacks and 41 deaths.

Balaghat district.—One sporadic case with death was reported from Balaghat town in July.



GRAPH No IX
DEATHS FROM CHOLERA
BY MONTHS 1939
10
50
100
150
200
300
400
500
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
51
24
32
72
55
16
32
335
479
361
180
24

Amraoti district.—One suspected fatal case was reported from village Rasulpur in police station-house Amraoti in the month of January. In July, two fatal cases were reported from the town of Amraoti and village Rahimpura. From the months of August to December the disease was prevalent in a virulent form.

Total—1,319 attacks and 512 deaths.

Yeotmal district.—The disease was prevalent in a mild form in the months of August, September and October.

Total—20 cases and 6 deaths.

Akola district.—In the month of January, 19 cases and 14 deaths were reported; the source of infection could not be traced. In July, the disease again broke out and continued till the end of December reporting 389 cases and 164 deaths.

Buldana district.—In January, the disease was reported from three villages, resulting in 20 cases and four deaths while in the month of February, three cases and two deaths were reported from village Wakad. The disease subsided by the end of June. From the month of July to November the disease again prevailed in a severe form and reported 1,496 cases and 540 deaths. The infection was imported from Pandharpur.

A graph showing cholera by months is attached as Graph No. IX.

(*b*) *Anti-cholera inoculations.*—290,350 (2,380,550) cubic centimeters of anti-cholera vaccine was issued. The number of inoculations performed was 251,721 (1,887,632), of which 122,320 were done by the medical staff, 107,903 by public health staff and 21,498 by private practitioners. Six deaths were reported amongst the inoculated.

(*c*) *Disinfection of wells.*—31,912 (40,313) wells were permanganated by the public health staff. In addition, wells were disinfected by the police authorities, district vaccination staff, sanitary staff of local bodies and other private bodies.

(*d*) *Preventive measures.*—The usual precautionary measures, such as distribution of potash permanganate and Tomb's cholera mixture, permangation of water supplies, inoculations, etc., were carried out in all the affected districts. Special precautions were taken at all the important fairs.

Temporary cholera regulations under the Epidemic Diseases Act were applied to districts of Bhandara and Hoshangabad (including all towns) and to Jubbulpore.

The Cholera situation shewed an appreciable improvement as compared with the previous year.

2. **Plague**—*Course of the Epidemic.*—The disease was reported from the districts of Chhindwara, Betul, Jubbulpore, Saugor, Mandla, Hoshangabad, Bilaspur, Balaghat and Yeotmal and reported 8,359 cases and 852 deaths against 5,713 cases and 535 deaths in the preceding year.

Chhindwara district.—The disease was prevalent in an epidemic form throughout the year, excepting the months of May to September. The disease again prevailed in a mild form in

the months of October, November and December. The source of infection was indigenous. In all, 229 cases and 29 deaths were reported.

Betul district.—Twelve sporadic cases were reported from Sasbar village in police station-house Amla. The source of infection was reported to be a recrudescence of the old outbreak. The disease again broke out at village Andharia in Amla police station-house in August and it spread to other villages and continued to the end of December. 286 cases and 19 deaths were reported.

Jubbulpore district.—The disease was prevalent in the whole of the district throughout the year. It was somewhat severe in the months of January, February, March, April and May. Total cases and deaths reported were 2,141 and 305, respectively.

Saugor district.—The epidemic prevailed from January to May in a severe form. It relapsed in September and continued till the end of the year. The infection was introduced from the neighbouring districts of Jubbulpore and Hoshangabad. There were 2,534 cases and 220 deaths.

Mandla district.—The disease was prevalent during the months of January, March, April, July, August, September, October, November and December and recorded 469 cases and 49 deaths. The source of infection was indigenous.

Hoshangabad district.—The epidemic started in the previous year and continued throughout the year, excepting the months of June and July. The epidemic was severe in the months of January, February, March, April, September, October and November. 2,665 and 221 deaths were reported. Source of infection was indigenous.

Bilaspur district.—There was only one case imported from Betul district in the month of October.

Belaghat district.—The disease re-appeared, after many years, in the months of November and December. Infection was conveyed from Chhindwara district. In all, 26 cases and 2 deaths.

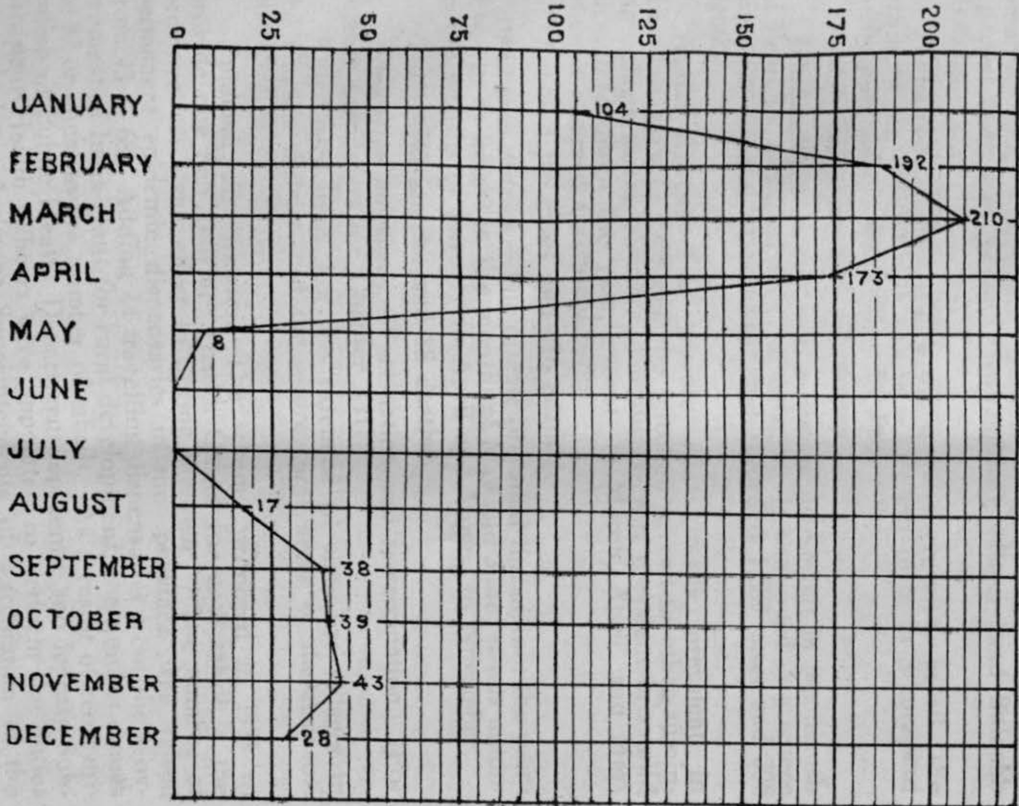
Yeotmal district.—The disease broke out in the latter part of December and eight cases and seven deaths were reported. The infection was brought by wandering tribes from infected districts. Total—8 cases and 7 deaths.

A graph illustrating plague mortality is attached as Graph No. X.

Anti-plague inoculations.—Total number performed was 34,611 (19,485), out of which 13,784 (5,629) were done by the medical staff, 19,563 (13,513) by public health staff and 1,264 (343) by private practitioners. No deaths were reported amongst the inoculated.

Preventive measures.—Evacuation, inoculation, disinsectisation and rat-destruction were carried out. Cynogas A was used in municipalities of Jubbulpore and Betul.

Rat-destruction.—A statement showing the number of rats destroyed and the expenditure incurred therein in various towns during the year 1939 is attached as Appendix C.



GRAPH No. X
DEATHS FROM PLAGUE
BY MONTHS

Temporary plague regulations.—These were applied to the towns of Jubbulpore, Seoni, Mandla, Sihora, Katni, Betul, Balaghat, Narsinghpur sub-division, Seoni sub-division and Damoh sub-division and the districts of Saugor and Hoshangabad.

3. **Smallpox.**—The total number of cases and deaths reported during the year was 4,835 and 762, respectively, as compared with 1,901 cases and 409 deaths in last year.

Course of epidemic.—The disease was prevalent in a mild form in all the districts of the province, except Bhandara which remained free. The higher number of cases and deaths was reported from Jubbulpore, Hoshangabad, Nimar and Buldana districts.

Jubbulpore district.—The disease was prevalent in all the tahsils of the district. It was in a virulent form in Sihora and Jubbulpore tahsils from May to July.

Total—535 cases and 136 deaths.

Hoshangabad district.—The disease broke out in the month of February and spread to the villages. It continued in a severe form till the end of the year and recorded 1,589 cases and 206 deaths.

Nimar district.—The disease was already prevalent in Khandwa town in 1938 and the infection spread to other adjoining villages in the district. The disease was prevalent in a mild form throughout the year, except in March, April and May, when it assumed a virulent form.

Total—1,126 cases and 216 deaths.

Buldana district.—The disease prevailed throughout the year; it was at its height in the months of May and June; it was milder in the months of January to April and August to November.

Total—843 attacks and 88 deaths.

Preventive measures.—Vaccination and re-vaccination. (For further particulars see Chapter XIII.)

The Vaccination Act was extended to sixty-one villages in the Chanda district and the entire rural areas of the Amraoti district.

Epidemic dispensaries.—The scheme proposed in 1935 to provide one Sub-Assistant Health Officer for each tahsil in the province was given effect to during the year. The number of permanent epidemic dispensaries in the province was raised from 43 to 68. Adding 14 travelling dispensaries from the Government of India grant for rural development, the number comes to 82 or equal to the number of tahsils. As a result of reorganization of Public Health Department, epidemic and leprosy Sub-Assistant Health Officers were appointed to perform the duties prescribed for Assistant Superintendents of Vaccination of the district councils. The Civil Surgeons continued as Superintendents of Vaccination. By this arrangement vaccination supervision work has been greatly co-ordinated and brought under systematic and effective control.

During the year, five additional temporary travelling dispensaries were employed for famine relief camp.

Sub-Assistant Health Officers on epidemic duty visited 12,218 (9,351) villages, treated 305,725 (104,267) patients and delivered 26,786 (15,287) lectures on health subjects. They performed 107,903 (1,887,632) anti-cholera inoculations and 19,563 (19,485) anti-plague inoculations, did 1,994 (792) minor operations, inspected 82,983 (43,310) school children, disinfected 31,921 (40,313) wells and checked 53,892 (33,820) vaccination and 141,759 (117,463) entries in birth and death registers. Their reports of work and results of inspection were submitted weekly through the Civil Surgeons and Deputy Commissioners to the head of the department.

The Sub-Assistant Health Officers of leprosy clinics performed the duties of epidemic dispensaries in their own areas and sometimes outside their circles. In this connection they visited 150 villages, treated 104,278 patients, disinfected 3,992 wells and performed 5,174 cholera inoculations.

Mechanised travelling dispensary.—A new departure was the opening of a motor mechanised travelling dispensary on the 13th June 1939 with its centre in Nagpur. The dispensary is in charge of a Sub-Assistant Health Officer assisted by a trained compounder and tours for three weeks in a month, visiting villages on and within a distance of 20 miles from Nagpur along seven roads radiating from Nagpur. The dispensary has been greatly appreciated by the villagers and large number of patients flock to it for medical aid. During six and half months of its existence, 36,250 patients have been treated, 80 villages visited, 248 wells disinfected, 472 cholera inoculations given, 35 minor operations performed and four patients sent to hospital. Health propaganda was also carried out.

CHAPTER V.—FAIRS AND FESTIVALS

Fairs and festivals.—The number of fairs and festivals for whose water-supply, sanitary and medical arrangement the Public Health Department was responsible was 289. No epidemic of any kind was reported from any of the fairs, except one case of cholera from Mahadeo fair in Hoshangabad district.

Improvement of water-supply and efficient conservancy are the two essential requirements of a fair and greater efforts were directed towards these.

The system of "Ghara sheds" for supply of pure (chlorinated) drinking water to the pilgrims is becoming more and more popular and was adopted on a larger scale with great success.

CHAPTER VI.—URBAN SANITATION

1. **Income and expenditure from municipal funds.**—The total income of municipal towns in the province during the year ending the 31st March 1939, inclusive of the opening balance of Rs. 23,26,141 (Rs. 24,87,205) was Rs. 94,54,352 (Rs. 95,73,250). Of this, a sum of Rs. 29,38,247 (Rs. 23,65,622) was spent on public health as detailed below :—

(*a*) *Water-supply.*—Rs. 11,94,006 (Rs. 5,89,061). The general situation with regard to water-supply shows a little improvement.

A tabulated statement of water-supply of towns is given in Appendix G.

(*b*) *Drainage*.—Rs. 2,34,195 (Rs. 2,23,857). There has been no appreciable improvement.

(*c*) *Conservancy*.—Rs. 11,67,258 (Rs. 11,82,291). The structural condition of public and private latrines show an improvement but the system of collection and removal continues to be unsatisfactory. The trenching of night-soil is not properly controlled, except in larger towns.

(*d*) *Charges on account of health officers and sanitary inspectors*.—Rs. 1,16,157 (Rs. 1,14,075). A table showing health services in rural and urban areas is attached as Appendix E. There are qualified health officers in Nagpur, Jubbulpore, Amraoti and Raipur towns; elsewhere trained sanitary inspectors are employed.

(*e*) *Plague charges*.—Rs. 6,664 (Rs. 5,079). Rat destruction work was carried on as usual at Nagpur, Jubbulpore, Katol, Betul, Multai, Bhandara, Amraoti, Malkapur and Saoner.

(*f*) *Vaccination*.—Rs. 28,916 (Rs. 28,698). There are 347 trained vaccinators in the province of whom 259 are distributed in the rural areas and 88 in the urban areas.

(*g*) *Other sanitary requirements*.—Rs. 86,828 (Rs. 59,256). In most of the municipalities attempts have been made to carry out a number of suggested improvements within their financial means.

(*h*) *Markets and slaughter-houses*.—Rs. 98,257 (Rs. 1,57,957). A large number of mutton markets and slaughter-houses are satisfactory. In a number of places the sale of mutton is carried on on private premises. Veterinary or medical inspection of animals and meat has been provided for in majority of places. Provisions for slaughter and sale of beef continue unsatisfactory in most places.

(*i*) *Registration of births and deaths*.—Rs. 5,966 (Rs. 5,348). The system of registration of vital statistics has not undergone any change. Some improvements have been effected in the reporting of causes of deaths.

2. **Government grant in aid for sanitary works.**—The following list shows the grants-in-aid paid from provincial funds during 1939-40 to municipal committees and other private bodies :—

(1) Grant to the Indian Red Cross Society, Central Provinces and Berar, for infant welfare work—Rs. 32,500.

(2) Grants to municipal committees to cover moiety of expenditure towards—

(*a*) pay of health officers—Rs. 8,706-6-0.

(*b*) pay of sanitary inspectors—Rs. 6,396-9-3.

(3) Grants to municipal committees to cover moiety of expenditure towards the entertainment of midwives for prevention of infant mortality—Rs. 149-8-0.

(4) Grants to certain municipal committees to meet the moiety of expenditure on rat destruction—Rs. 14,110-6-6.

3. Sanitary byelaws.—There were 8,975 (11,034) cases of prosecution or compounding for breach of sanitary byelaws. The fines realized and compensation accepted amounted to Rs. 9,877 (Rs. 11,328). This gives an average of Re. 1-1-7 (Re. 1-0-5) per defaulter. 1,335 (2,286) persons were dealt with for neglecting to report vital occurrences to the police, leading to realization of Rs. 761 (Rs. 721) in fines.

4. Isolation hospitals.—There are regular infectious diseases hospitals at Nagpur, Jubbulpore, Saugor, Bilaspur, Amraoti and Yeotmal. The number of cases of infectious diseases treated was 110 cases with 78 recoveries and 32 deaths. At these hospitals there are 58 available beds and, if necessary, more accommodation and beds can be provided.

Small isolation huts and sheds have been provided at Kamptee, Wardha, Khandwa, Burhanpur, Balaghat, Buldana, etc., but they are seldom used and are in a dilapidated condition.

CHAPTER VII.—RURAL SANITATION

1. Water-supply.—Sources of water-supply are wells, tanks, rivers and nullahs. The general condition of water-supply is the same as stated in the previous reports.

2. Besides the grants paid during 1935-36 and 1938-39 from Government of India fund for improvement of water-supply in rural areas, the following grants were paid to the district councils and others in the province during the year under report :—

(i) Government of India fund—Rs. 21,055-8-0 (For 80 wells).

(ii) Provincial funds—Rs. 15,306-8-0 (For 66 wells).

The works are in progress.

3. Villages under the Village Sanitation Act.—The provisions of the Village Sanitation and Public Management Act were in operation in 65 villages. The total receipts for the year ending the 30th September 1938 amounted to Rs. 1,42,696 and the total expenditure Rs. 1,42,201. The details of the expenditure are—

Water-supply—Rs. 3,790.

Cleaning of village sites—Rs. 28,067.

Drainage—Rs. 2,988.

Roads—Rs. 11,724.

Other miscellaneous charges—Rs. 95,632.

4. Town fund and other villages under the Mukaddam Rules.—The total receipts amounted to Rs. 8,868 (Rs. 18,222) and the expenditure Rs. 8,403 (Rs. 17,410). Of the total expenditure Rs. 34 were spent on water-supply. Rs. 3,840 on cleaning of village sites, Rs. 142 on drainage Rs. 490 on roads and Rs. 3,897 on miscellaneous improvements.

5. Ryotwari villages.—A sum of Rs. 1,894 (Rs. 8,129) was spent on improvement of water-supply in the districts of Betul, Jubbulpore, Bilaspur and Nimar.

6. Villages under the Village Panchayat Act.—The number of panchayats at the end of the year 1938 was 963. During 1939, 30 new panchayats were established, raising the total to 993. The panchayats rendered useful service in combating epidemics in rural areas.

7. Medical relief on scarcity works.—160 scarcity camps were opened in connection with famine relief. The sanitary, medical and other arrangements in connection with these were made by this department. Approximately 75,000 labourers were encamped during the months of August to November in nine districts. There was a minor outbreak of cholera, with two attacks and one death, at a camp in Buldana district. It was due to a mistake in water arrangements which was quickly rectified. Five temporary Sub-Assistant Health Officers were appointed for these famine relief camps.

8. Rural uplift-work.—The scheme of rural uplift-work was continued in the districts of Saugor, Nimar and Yeotmal under the supervision of Sub-Assistant Health Officers. In Saugor district the work was carried out in three tracts, *viz.*, Kesli, Patera and Batiagarh. In the other two districts, the work continued as heretofore.

Public health activities of the Provincial Village Uplift Board, Central Provinces and Berar, for the year 1939:—

During the year, the Deputy Commissioners were engaged in reconstituting the district and tahsil village uplift committees, according to Government's orders and thus not much work in the way of public health activities could be undertaken by them.

The Village Sisters Scheme of the Red Cross Society and Mrs. Seaman's Village Nursing Scheme are gaining in popularity in the Raipur district. Three nursing centres, started at Kelwad, Sakali and Brahmapuri in Buldana district are doing satisfactory work. The nursing centre at Ekamba in Basim taluq in the Akola district is also doing well. The scheme of tube latrines has been introduced in four villages in the Yeotmal district and at Shendurjana and Nawasari in Amraoti district. In order to provide facilities for medical relief in rural areas, cheap plan dispensaries are established at Bilaigarh and Kurud in Raipur district and at Sahaspur Loharra in Drug district. The students and the staff of the Burgess Memorial Girls' School of Bilaspur and the students of the Government High School, Khandwa, have paid special attention to the cleanliness and sanitation of the villages. The Civil Surgeon of Bhandara delivered lectures on village sanitation, hygiene and epidemic. Action is being taken to get a local dai trained in the Lady Butler Hospital, Khandwa, so that she may be useful to the villagers for minor ailments. Second child welfare centre at Chhegaon Makhan in Khandwa tahsil has been started. Ayurvedic dispensary started at Kinhola in Yeotmal district is gaining in popularity and there is a demand for more such dispensaries. The district council of Amraoti has opened 15 Allopathic and six Ayurvedic dispensaries. A leprosy clinic has also been organized at Kashikhed in this district.

CHAPTER VIII.—MALARIA

1. **Anti-malarial operations.**—889,265 (705,381) patients were treated in all the hospitals and dispensaries as follows:—

Amraoti (108,770), Buldana (82,824), Akola (76,706), Nagpur (75,342), Yeotmal (56,169), Hoshangabad (55,245) and Chhindwara (55,171).

A special post was created for anti-malaria operations in the Civil Station, Nagpur, for two years and a Sub-Assistant Health Officer trained in malariology, was deputed in August 1939 for survey and anti-malaria work.

It was decided to give Sub-Assistant Health Officers special training in anti-malaria work and Government has sanctioned deputation of two Sub-Assistant Health Officers each year for anti-malaria course at Delhi and accordingly two Sub-Assistant Health Officers were trained.

Routine anti-malarial measures were continued in Jubbulpore, Khandwa and Burhanpur towns.

Quinine.—3,150 lb. of quinine sulphate 1,925 lb. of cinchona febrifuge and 50 lb. of quinine hydrochloride were purchased from Madras and supplied to the Nagpur Jail Factory for manufacturing tablets. The expenditure incurred was—

Cost of drugs—Rs. 77,400

Cost of manufacturing tablets—Rs. 4,042-5-9.

The sale receipt was—Rs. 83,892-7-6.

Free distribution of quinine in hyperendemic areas was continued in Chanda, Betul, Mandla and Nimar districts and in Jagirs of Chhindwara district. The amount of quinine issued free by Tahsildars in the above tracts was 49 lb. Besides this, out of the balance of 3,500 lb. of quinine received from Government of India, 550 lb. were issued to all Deputy Commissioners in the province for distribution in the highly malarious tracts and 102 lb. was distributed to others through this department. The total issue of quinine free and on payment during the year was—

Free				On payment			
Lb.	Oz.	dr.	gr.	Lb.	Oz.	dr.	gr.
3,680	7	2	12	2,616	9	5	10

During the year, cinchona febrifuge tablets were introduced for sale to the public. The sale price of quinine tablets to the public was also reduced from Rs. 7-8-0 to Rs. 6-14-0 per box but the sale had to be suspended owing to the embargo put on by the Madras Supply Depot. Negotiations are in progress in order to make the drug available for sale to the public from other sources. The Madras prices of cinchona and its preparations have been increased by nearly 33 per cent.

CHAPTER IX.—MATERNITY AND CHILD WELFARE

1. Maternity and child welfare work is managed by the welfare branch of the Central Provinces and Berar Red Cross Society of which the Director of Public Health is the Honorary Secretary and is responsible for direction and supervision. The chief sources of income for this work are—

(1) Government grant—Rs. 32,500.

(2) Contribution of Victoria Memorial Scholarship Fund—Rs. 1,500.

(3) Contribution by Provincial Red Cross Society—Rs. 15,000.

(4) Contribution by the Nagpur Civil Station Sub-Committee—Rs. 448.

2. **Health School.**—This is in charge of a Lady Superintendent. During the year, eight students out of nine admitted to the school, completed the course. They were examined in March 1939 and declared passed. Four of them have been employed by the Central Provinces and Berar Red Cross Welfare Committee.

During the year under report, 18 applications were received for admission to the Health School, of these, 14 (nine Hindus and five Christians) were accepted and nine (five Hindus and four Christians) selected for stipends, the remaining were taken as private students.

At the instance of the Economy Committee, the Government ordered retrenchment in the school, as a result of which the matron and one peon were brought under reduction.

The total number of health visitors trained at the school up to date is 99.

3. **Dais' training.**—63 (51) dais were trained and certified and 687 (670) were under training in 65 (50) centres. Passed dais are working in 43 (38) welfare centres.

4. **Child Welfare Centres.**—There were 74 (75) child welfare centres—58 (56) urban and 16 (19) rural. The total attendances was 601,478 (556,335). Of this, 223,599 (212,892) were infants, 357,192 (324,291) toddlers and 20,687 (19,152) antenatal. Health visitors paid 295,706 (255,639) home-visits, conducted 580 confinements and sent 350 labour cases to hospitals.

Cases conducted were as under—

By health visitors ...	580
By trained dais under the supervision of health visitors ...	972
By trained dais without the supervision of health visitors ...	6,789
By untrained dais with health visitors ...	1,840
By untrained dais without health visitors ...	7,264

5. **National Baby Weeks.**—Were celebrated in 12 places. Suitable assistance in the shape of cash and supply of literature, posters, magic-lantern and slides, medical personnel, etc., was rendered to local bodies by this department. The Provincial Red Cross Society placed at the disposal of this department a grant of Rs. 1,000 for defraying a part of the expenditure incurred by local bodies in this behalf. Of this, a sum of Rs. 987 was disbursed.

CHAPTER X.—SCHOOL HYGIENE AND MEDICAL INSPECTION OF SCHOOL CHILDREN

1. **Medical Inspection of Schools.**—The average number of children examined every month by Assistant Surgeons, Assistant Medical Officers and Sub-Assistant Health Officers was 195,436 (113,307). Of these, 78,552 (81,254) boys and 23,801 (28,694) girls were examined by Assistant Medical Officers, 618 (820) were found unvaccinated, 1,468 (3,162) with enlarged spleen and 1,704 (3,925) with contagious or other diseases. Steps were taken to vaccinate the unvaccinated children and others were directed to attend local dispensaries for treatment.

Routine medical examination of school children was conducted and the monthly inspection reports, in the prescribed form, were received in this department through the Civil Surgeons and were disposed of as required. The results and recommendations of the school medical officers are communicated to the parents or guardians of school children for necessary action. Medical charts are maintained in schools by school masters and they are examined by the medical officers at the time of inspection.

Insufficiency of accommodation, lighting and ventilation and also the dilapidated and dangerous condition of many school buildings were brought to the notice of the school authorities concerned. Provision of proper drinking water and of sanitary conveniences remained very defective. Their improvement is being persistently urged.

The Executive Council of Nagpur University has appointed a Board of Physical Welfare with a view to co-ordinating and encouraging physical training, sports and welfare activities by—

(1) medical inspection of students;

(2) physical measurements of students;

(3) compulsory phyisical training;

(4) sports tournaments;

(5) health propaganda.

The medical inspection was conducted twice during the year. The number of students examined was 2,604 (2,698). After each inspection the ailing students were advised to undergo medical treatment. Medical officers also issued "Defect Cards" for the information of guardians.

Medical reports reveal the fact that the diet of the students is faulty. It is important that close co-operation should exist between the college and medical authorities in regulating the food supplied in college messes and hostels. The importance of a nutritious and balanced diet should also be impressed on all students and they should be given suitable instructions with regard to it. Unless this is done, satisfactory results cannot be expected from physical education.

One physical instructor is attached to every college.

The annual University Sports Tournaments for various trophies was conducted according to the programme prepared by the Board.

School Hygiene is included as a subject of instruction in the Spence Training College, Jubbulpore. Students entering this college are subject to medical inspection on admission.

Health Education lessons incorporated in Mr. Danielson's Syllabus for Physical Education are given in most of the schools.

The Central Board of Physical Welfare, Central Provinces and Berar, had appointed a sub-committee consisting of the Director of Public Health, Dr. Kane and Mr. L. J. Kokardekar to consider the following points :—

(1) To examine the system of medical inspection in schools and colleges in vogue at present and to find out ways and means to improve the same so that a proper co-relation may be established between medical inspection and physical training.

(2) To recommend necessary measures in connection with health propaganda chiefly amongst school-going population.

(3) To examine the problem of nutrition of school-going population and suggest necessary recommendations.

The report of the sub-committee has been submitted to the Government.

2. **Schools.**—Health education in schools is imparted to boys in all classes by physical instructors of schools. Generally these lectures deal with cleanliness, hygiene of body and mouth, function of the body, correct posture, etc.

Lectures on first-aid and junior red cross are given in schools by organizers of red cross work and, wherever possible, these lectures are illustrated by magic lantern slides.

Hygiene and sanitation now form a part of the revised primary school curriculum sanctioned by the Education Department as also of the Zakir Hussain or Wardha Syllabus. Instructions are given on personal cleanliness, suitable diets, exercises, avoidance of epidemics, etc., in all the Indian schools. A record of heights and chest measurements are maintained. The general importance attached by the inspecting officers to health and cleanliness naturally creates an impression on the minds of the teachers that they should not neglect this important aspect of school education.

Lectures on health and general sanitation were arranged in middle schools during the year. The medical officers visited urban schools. The rural schools were visited by Sub-Assistant Health Officers.

CHAPTER XI.—HEALTH PROPAGANDA

This was carried on in rural areas by the Sub-Assistant Health Officers at all the schools and villages they visited by delivering lectures with the aid of coloured charts and pamphlets on various health subjects. The activities are gradually bearing fruit.

CHAPTER XII.—PUBLIC HEALTH ADMINISTRATION

There was no change in the system. As heretofore, the sixteen Civil Surgeons functioned as District Medical Officers of Health of the 19 districts under their charge. They were assisted by 82 epidemic Sub-Assistant Health Officers and 308 dispensary Assistant Medical Officers.

Seventy-one Assistant Surgeons, including 13 women Assistant Surgeons also took part in public health activities.

Anti-leprosy work was in charge of a Leprosy Specialist of the Assistant Surgeon class, assisted by 21 specially trained Sub-Assistant Health Officers.

Local bodies are held responsible for the sanitary requirements of the areas under their charge. A list of sanitary staff maintained by municipal bodies is given in Appendix E. Village sanitation is in charge of district councils. There are sixty-five villages administered by sanitation committees. The staff employed by the district councils, village sanitation committee, etc., consists of only 1,671 sweepers. Their main function is to sweep roads, markets, etc., and remove the refuse. Private latrines are usually served by private arrangements with the sweepers. The sanitary administration and organization in rural areas is very feeble. The same applies to urban areas to a certain extent. Only four towns, *viz.*, Nagpur, Jubbulpore, Amraoti and Raipur, have qualified Medical Officers of Health. It has been urged that all towns of a population of 25,000 and over should have a Medical Officer of Health and that sufficient number of trained sanitary inspectors should be provided in every town.

The District Assistant Superintendents of Vaccination were replaced by Sub-Assistant Health Officers before January 1940 on account of the decision of the Government to take over all vaccination supervision.

CHAPTER XIII.—VACCINATION

(This chapter and all statistical tables connected therewith refer to the period from the 1st April 1939 to 31st March 1940.)

Lymph used for vaccination is prepared and supplied by the Provincial Vaccine Institute.

For primary vaccination, the practice is to make two insertions on each arm or four on one arm, according to the wishes of the parent, to give a total area of vesiculation equal to half a square inch. In the case of re-vaccination, not less than three insertions are made. The instrument used is the Rotatory lancet (new type). No case of post-vaccinal encephalitis was reported during the year.

1. **Establishment.**—Sixteen Civil Surgeons who are *ex-officio* Superintendents of Vaccination.

Thirty-five Assistant Superintendents of Vaccination, replaced before 31st December 1939 by 108 Sub-Assistant Health Officers.

There were 347 vaccinators—both municipal and district.

(*a*) *Vaccinations in district council areas.*—The total number (*vide* Statement I) was 780,746 (632,988), consisting of 495,950 (514,752) primary and 284,796 (118,236) re-vaccinations.

There was an increase of 147,758 due to a wide-spread epidemic of smallpox for dealing with which local bodies were asked to intensify vaccination work and to engage additional temporary vaccinators.

(*b*) *Vaccination in municipal towns.*—In 1939-40, there were 70,954 births in municipal towns and notified areas of whom 13,777 died before attaining one year of age, leaving 57,177 children available for vaccination. Of these, 45,100 were vaccinated, giving a percentage of 79 (77), and 12,077 children remained un-vaccinated on 1st April 1940.

(*c*) *Vaccination by other agencies*—

Jails—3,386 (Nagpur—2,262 and Raipur—1,124).

Dispensary staff—1,104 (Amraoti, Yeotmal and Akola).

Railway staff—14,928 (Nagpur, Chanda, Betul, Raipur, Bilaspur and Drug).

Missions—369 (Raipur and Bilaspur).

Tea district labour associations—840.

Mining agencies—4,436.

Empress Mills—392.

Private medical practitioners—468.

(*d*) *Percentage of success in primary and re-vaccinations.*—This was reported as under :—

	Primary vaccinations	Re-vaccinations
By Civil Surgeons ..	98.53 (96.52)	38.65 (33.46)
By Assistant Superintendents of Vaccination.	91.12	65.83
(Sub-Assistant Health Officers) ..	(91.82)	(43.58)
By vaccinators ..	97.16 (97.68)	55.90 (57.43)

2. Inspection of vaccination (Statement V).—Civi lSurgeons inspected 2.61 (3.06) per cent of the primary and 1.11 (1.47) of the re-vaccinations. The prescribed period of vaccination tour, *i.e.*, 42 days, could not be maintained on account of financial stringency. The Assistant Superintendents of Vaccination (Sub-Assistant Health Officers) and other inspecting officers inspected 24.27 (44.06) per cent of primary and 10.04 (13.77) per cent of re-vaccinations. The prescribed period of tour for the Assistant Superintendents of Vaccination, *i.e.*, 135 days, was maintained. The newly appointed Assistant Superintendents of Vaccination are required to tour at least 21 days in a month throughout the year and so these men will be on tour for at least 252 days in a year against 135 of the district council Assistant Superintendents of Vaccination.

3. **Supply of lymph.**—Glycerinated calf lymph, prepared at the Central Provinces Vaccine Institute, Nagpur, was used throughout the province. The supply was sufficient and good. Each brew was tested for purity and potency by actual vaccination before issue.

(*a*) 238 (205) animals (14 buffalo calves, 216 bovine calves and 8 rabbits) were operated on for lymph production. Of these, 18 bovine calves and one buffalo calf were rejected on account of unsatisfactory results. The average output of lymph was 65.53 (70.09) grammes per buffalo calf, 40.50 (44.50) grammes per bovine calf and 0.92 (0.92) grammes per rabbit.

The total yield of public was 8,210.76 (8,300.98) grammes, equivalent to 39,452 (40,072) c.c. or 789,040 (801,440) doses. The cost per dose of vaccine was 5.17 (4.68) pies. Average purchase price per calf was Rs. 8-8-7 (Rs. 8-9-11) while the average sale price per calf was Rs. 4-15-11 (Rs. 4-8-1), resulting in a loss of Rs. 3-8-8 (Rs. 4-1-10) per animal.

(*b*) *Distribution of lymph.*—790,250 (666,760) doses of lymph were supplied, *viz.*, 673,920 (590,300) to vaccinators and 116,330 (76,460) to others.

(*c*) Percentage of success was—

		Case success Per cent	Insertion success Per cent
Primary vaccination	..	99 (99)	89 (94)
Re-vaccination	..	62 (62)	48 (51)

(*d*) *Finance.*—The total expenditure was Rs. 24,635-0-5 (Rs. 22,466-9-6). Of this, Rs. 14,729-12-0 (Rs. 14,239-14-0) was spent on salaries and travelling allowance and Rs. 9,905-4-5 (Rs. 8,226-11-6) on contingencies. The total receipts amounted to Rs. 30,129-5-1 (Rs. 25,627-10-5) as under :—

Sale of calves and rabbits—Rs. 1,201-2-0 (Rs. 898-2-0).

Sale of lymph—Rs. 28,894-4-7 (Rs. 24,713-4-11).

Miscellaneous receipts—Rs. 33-14-6 (Rs. 16-3-6).

The profit on the undertaking was—Rs. 5,494-4-8 (Rs. 3,161-0-11).

4. **Cost of vaccination.**—The total cost of vaccination was Rs. 2,08,705-3-4 (Rs. 2,24,981-11-7). The cost of each successful case was Re. 0-6-0 compared to Re. 0-6-11 in 1938-39, and Re. 0-6-3 in 1937-38. Excluding the expenditure incurred in connection with the Central Provinces Vaccination Institute, Nagpur, the cost per successful case was Re. 0-5-4 (Re. 0-6-2).

5. **Training of vaccinators and Assistant Superintendents of Vaccination.**—The course of training for vaccinators lasts seven weeks. It includes instructions in vaccination, hygiene, epidemiology, vital statistics and ambulance.

One sanitary inspector, 13 schoolmasters and 68 private candidates were trained in vaccination and ambulance. Out of 68 private candidates five failed, of which four were re-examined and declared passed.

CHAPTER XIV.—INDUSTRIAL HYGIENE

The number of mines, mills, factories, etc., in the province is as under:—

Ginning and pressing factories—177 (131).
Cotton mills—8 (7).
Railway workshops—1.
Printing presses—2.
Collieries—29.
Cement factories—2.
Lime factories—6.
Oil mills—5.
Shellac factories—2.
Bidi factories—7.
Fine Art Litho Press—1
Clay mines—2.
Manganese mines—29.
Glass works—2.
Pottery works—3.
Rice mills—21.
Total—297 (249).

The average strength of workers employed in these was 105,615 (99,439), males 75,662 (71,888), females 29,640 (27,292), and children 313 (259).

The number of workers for whom accommodation was provided was 54,872 (54,045) [males 30,571 (24,881), females 13,842 (12,407) and children 10,459 (10,443)] and the number of quarters was 17,998 (17,924).

Conservancy.—Arrangements are generally defective and where suitable the ignorance and prejudice of the operations prevents them from making use of them. The owners are being urged to encourage the use of fixed sanitary conveniences. Workers in mines and factories are generally recruited from backward tracts and depressed classes.

1. Water-supply.—This is generally good and sufficient. The chief sources are—

Piped water-supply in 62 places.
Wells in 176 places.
Wells and tanks in 17 places.
Ground springs or bore wells in 3 places.

Steps are being taken to bring about further improvements.

2. Housing.—Pucca, well-built houses are provided in some places while in others the operatives housed in kuchha primitive structures.

No quarters are provided for seasonal factories.

The Empress Cotton Mills, Nagpur, the Pench Valley Mining Company and the Manganese Corporation have provided fairly satisfactory houses for their labourers and workers, but in other works the housing condition of workers is unsatisfactory and inadequate. A large number of workers have usually to live in congested *bustees* of neighbouring towns. In Akola, Khamgaon and Amraoti towns steps are being taken to improve these *bustees*. In Hinganghat and Pulgaon, due to economic conditions, a marked deterioration has been noticed. Attention of

the local bodies has been particularly drawn to the imperative necessity of improving the quarters of labourers and factory workers.

A great deal remains to be done in the way of providing sanitary abodes for mill, mines, and factory workers. In Nagpur, it is hoped, the Improvement Trust will take up the matter.

Compulsion of the State appears to be the only remedy for the urgent and pressing problem of industrial housing.

The total extent of cubic space provided for the 54,872 workers established in labour settlements is 16,901,462 c. ft., representing on an average 308 c. ft. per labourer. There is, however, considerable overcrowding due to large-sized families and co-residence of relations. The reported cost incurred in the construction of quarters is Rs. 25,46,206.

3. **Lighting.**—Same as for 1938.

4. **Medical arrangements.**—The following concerns maintain full time medical officers, hospitals and dispensaries for their workers:—

(1) The Pench Valley (Chhindwara) Mining Corporation, Parasia.

(2) The Manganese Corporation, Ramtek and Mansar (Nagpur district).

(3) The Manganese Corporation, Barvelli (Balaghat district).

(4) Ballarsha Coal Mine (Chanda district).

(5) Tirodi Mines (Bhandara district).

(6) Ghugus Coal Mines (Chanda district).

(7) Mahakali Mines (Chanda district).

(8) Chikhli Mines (Bhandara district).

(9) Lower Ghorawari Mines (Chhindwara district).

(10) Upper Ghorawari Mines (Chhindwara district).

(11) Damua Mines (Chhindwara district).

During the year under report, the Civil Surgeons inspected twenty-four mines and collieries in Chanda, Chhindwara, Jubbulpore and Bhandara districts. Their reports, with recommendations of the Director of Public Health, were forwarded to the Chief Inspector of Mines, Dhanbad.

The general health of the workers was reported to be fair. The cases and deaths reported from cholera, smallpox and malaria in the collieries and manganese mines of the districts are as detailed below:—

		Cholera		Smallpox		Malaria	
		Cases	Deaths	Cases	Deaths	Cases	Deaths
Chanda	..	4	1	13	5	665	1
Chhindwara	..	..	..	..	..	10,925	15
Bhandara	..	..	..	..	..	8,348	4
Balaghat	..	..	..	..	..	4,877	16
Total	..	4	1	13	5	24,815	36

CHAPTER XV.—OTHER PUBLIC HEALTH SERVICES

1. **Public Health Institute.**—(1) Dr. C. R. Edibam, M.B., B.S., Dr. P. H. (Amer.), was in combined charge of the Public Health Institute and the Central Provinces Vaccine Institute, Nagpur.

(2) The analytical work done was as follows :—

(*a*) *Water analysis.*—(i) Bacteriological—82 (70) samples were received and analysed. Of these, 73 were from local bodies who have water works and the remaining from miscellaneous sources.

Two municipal committees did not send any samples for analysis during the year while two sent only one sample each.

(ii) Chemical—One sample was received during the year.

(*b*) *Analysis of Foodstuffs.*—(i) Butter 46 (15) samples—All, except one, were found adulterated.

(ii) Ghee—39 (32) samples—Fifteen samples were found chemically genuine but rancid and as the rancidity was not removable after clarification they were declared unfit for human consumption. Twenty-four samples were found adulterated.

(iii) Milk—One sample was received and examined.

(iv) Linseed Oil—One sample was received and analysed. It was found genuine.

(v) Tea—3 (5) samples were received Of these, two were found genuine and one adulterated.

(vi) Curry powder—Three samples were received for analysis.

(*c*) *Analysis of drugs, disinfectants and chemicals.*—Quinine tablets—3 samples were received. Codliver Oils—4 samples were received and examined. Two showed results approximating to the B. P. standards.

(*d*) *Examinations of pathological specimens.*—One Cerebro-spinal fluid, one plural fluid and 91 throat swabs were received and examined.

(*e*) *Miscellaneous.*—Three ampoules of cholera vaccines manufactured by—

(i) Vax Institute Laboratory, Limited, Calcutta;
(ii) Union Drug Company, Limited, Calcutta, and
(iii) Calcutta Chemical Research Association, Limited, Calcutta,

were examined and the results communicated to the Director of Public Health.

One water sample suspected of guinea worm infection was received and examined. No cyclops were detected in the sample.

2. **Finance.**—The total receipts and expenditure for the year amounted to Rs. 701-10-0 (Rs. 749-15-0) and Rs. 2,652-10-9 (Rs. 2,539-5-10), respectively.

The work done by the Public Analyst of the municipalities of Nagpur and Jubbulpore is as follows :—

Number of samples examined.

Ghee—769 (766); milk—367 (513); foodstuffs—37; oil—10; water—15; and miscellaneous—58.

3. **Sanitary works (Civil).**—These continued to be in charge of the Chief Engineer, Public Works Department, Central Provinces and Berar, Buildings and Roads Branch, whose report for the year ending March 1940 is attached as Appendix I.

4. **Board of Public Health.**—There were no sittings of the board, but cases were dealt with by circulation.

Under the orders of Government a Public Health Act for the province has been drafted and is being submitted to the Government for orders.

5. **Personal.**—I was in charge of the department throughout the year.

S. N. MAKAND, LT.-COL., I.M.S.,

Director of Public Health,

Central Provinces and Berar.

NAGPUR :

The 1st July 1940.

APPENDIX A

STATEMENT SHOWING DEATH-RATE BY SPECIFIED AGE GROUPS IN

Central Province

Census, population of

	Under one year		1—5 years	
	Male	Female	Male	Female
(1)	(2)	(3)	(4)	(5)
Average population ..	265,524	270,607	908,757	950,394
Population (mid-year), 1939 ..	286,354	294,048	980,052	1,032,722
Number of deaths in 1939 ..	74,645	64,161	55,317	48,927
Death-rate per mille of mid-year population.	..	..	56.44	47.38
Death-rate per mille of average population.	..	..	60.87	51.48

	20—30 years		30—40 years	
	Male	Female	Male	Female
(1)	(12)	(13)	(14)	(15)
Average population ..	1,360,352	1,382,444	1,067,818	1,039,652
Population (mid-year), 1939 ..	1,467,074	1,502,183	1,151,590	1,129,712
Number of deaths in 1939 ..	16,613	20,079	18,244	15,895
Death-rate per mille of mid-year population.	11.32	13.37	15.84	14.07
Death-rate per mille of average population.	12.21	14.52	17.09	15.29

HE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

		Male	Female	Total
id-year population, 1939	..	82,722,956	8,314,789	16,587,745
931	..	7,671,142	7,651,938	15,323,080

5—10 years		10—15 years		15—20 years	
Male	Female	Male	Female	Male	Female
(6)	(7)	(8)	(9)	(10)	(11)
986,460	949,189	892,703	841,653	675,659	706,686
10,63,849	1,031,412	962,737	914,561	728,666	767,902
13,519	11,968	6,673	5,797	6,703	7,604
12.71	11.60	6.93	6.34	9.20	9.90
13.70	12.61	7.48	6.89	9.92	10.76

40—50 years		50—60 years		60 years and upwards	
Male	Female	Male	Female	Male	Female
(16)	(17)	(18)	(19)	(20)	(21)
765,142	714,439	443,100	437,661	305,627	359,213
825,168	776,327	477,862	475,593	329,604	390,329
19,572	13,754	20,413	16,455	38,910	40,051
23.72	17.72	42.72	34.60	118.05	102.61
25.58	19.25	45.66	38.21	127.31	111.50

APPENDIX B

STATEMENT SHOWING THE STATISTICS PERTAINING TO THE MISSION LEPE ASYLUM IN THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

Name of Asylum	Number of lepers at the end of the year 1938	Number of lepers admitted during the year 1939	Number of lepers discharged or died during the year 1939	Total number remained at the end of 1939	Number of leper treated during the year 1939
Raipur district—					
Raipur	141	26	26	141	50
Dhamtari	428	112	128	412	519
Bilaspur district—					
Champa	598	92	132	558	590
Jarhagaon	73	18	9	82	36
Drug district—					
Chandkhuri	568	184	224	528	358
Amraoti district—					
Kothara	342	135	177	300	548
Rajnandgaon State—					
Rajnandgaon	63	27	15	75	57
Total ..	2,213	594	711	2,096	2,158

APPENDIX C

STATEMENT SHOWING THE NUMBER OF RATS DESTROYED TOGETHER WITH THE EXPENDITURE THEREON IN THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

District	Name of town	Number of rats destroyed	Amount expended Rs.	a.	p.	Remarks
Nagpur ..	Nagpur City ..	115,920	12,228	5	3	
	Nagpur Civil Station ..	81,082	5,656	3	6	
	Saoner ..	7,220	417	2	0	
	Kalmeshwar ..	2,845	1	0	0	
	Katol ..	6,475	..			
	Mowar ..	2,072	83	11	0	
	Ramtek ..	1,204	102	13	0	
	Umrer ..	9,818	..			
Wardha ..	Pulgaon ..	1,215	..			
Chhindwara ..	Chhindwara ..	6,046	312	15	0	
	Pandhurna ..	5,598	16	14	9	
	Sausar ..	176	2	12	0	
	Seoni ..	7,470	512	3	0	
Betul ..	Betul ..	16,994	..			
	Betul Bazar ..	3,198	..			
Jubbulpore ..	Jubbulpore ..	79,686	8,985	3	3	
	Murwara ..	6,440	96	0	0	
	Sihora ..	300	..			
Saugor ..	Saugor ..	14,115	..			
	Damoh ..	940	..			
	Bina ..	70	..			
	Deori ..	3,117	..			
Mandla ..	Mandla ..	1,803	117	13	3	
Hoshangabad ..	Hoshangabad ..	4,544	108	0	0	
	Sohagpur ..	1,741	10	0	0	
	Seoni-Malwa ..	315	..			
	Itarsi ..	400	..			
	Chota-Chhindwara ..	4,030	11	5	9	
	Kareligunj ..	1,353	114	13	0	
Nimar ..	Khandwa ..	21,773	471	3	0	
	Burhanpur ..	27,978	616	15	6	
	Balaghat ..	4,685	..			
Amraoti ..	Amraoti ..	21,262	633	10	6	
Yeotmal ..	Digras ..	9,935	502	15	9	
	Pusad ..	545	..			
	Panderkaora ..	256	..			
	Umerkhed ..	935	..			
Akola ..	Akola ..	7,531	341	5	0	
	Akot ..	204	0	12	0	
	Karanja ..	375	..			
Buldana ..	Khamgaon ..	8,437	347	13	0	
	Malkapur ..	13,957	905	13	6	
	Shegaon ..	5,170	72	0	0	
	Mehkar ..	2,367	..			
	Chikhli ..	395	85	4	0	
	Deolgaon Raja ..	1,878	..			
	Pimpalgaon Raja ..	218	..			
	Total ..	514,088	32,754	15	0	

TABLE SHOWING MATERNITY AND CHILD WELFARE CENTRES, HEALT
CENTRAL PROVINCES AND BERA

Maternity and Child Welfa

District	Government		Local and municipal bodies		Other agencies	
	Rural	Urban	Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Nagpur ..	..	..	..	4	2	8
2. Wardha ..	..	..	..	..	..	1
3. Chanda ..	..	..	..	..	..	1
4. Betul ..	..	..	..	..	..	1
5. Chhindwara ..	..	..	..	..	..	2
6. Jubbulpore ..	..	..	..	3	..	..
7. Saugor ..	..	..	..	..	..	2
8. Mandla ..	..	..	..	..	..	..
9. Hoshangabad ..	..	..	..	..	2	8
10. Nimar ..	..	..	..	..	3	4
11. Raipur ..	..	..	..	..	3	4
12. Bilaspur ..	..	..	..	..	..	2
13. Drug ..	..	..	..	..	..	1
14. Bhandara ..	..	..	..	..	..	1
15. Balaghat ..	..	..	..	..	2	
16. Amraoti ..	..	..	..	..	2	6
17. Akola ..	..	..	..	..	1	2
18. Buldana ..	..	..	..	..	1	2
19. Yeotmal ..	..	..	..	..	..	5
Total ..	..	..	..	7	16	51

D

VISITORS AND TRAINED MIDWIVES IN RURAL AND URBAN AREAS IN THE DURING THE YEAR 1939

Centres maintained by

Trained visitors		Trained midwives		Trained dais	
Rural	Urban	Rural	Urban	Rural	Urban
(8)	(9)	(10)	(11)	(12)	(13)
2	10	..	..	..	109
..	2	..	..	..	11
..	2	..	..	..	7
..	1	..	..	5	42
..	4	..	..	..	22
..	..	..	..	..	27
..	2	..	..	..	34
..	..	..	..	..	..
3	9	..	..	24	45
2	5	1	..	..	15
3	6	..	..	..	50
..	2	..	..	..	..
..	1	..	..	..	6
..	1	..	..	..	2
2	1	..	..	..	1
3	6	..	..	8	25
1	2	..	..	..	13
1	3	..	..	..	9
..	6	..	..	..	35
17	63	1	..	37	453

STATEMENT SHOWING HEALTH SERVICES IN RURAL AND URBAN AREAS

Rural

	Medical Officer of Health				Epidemic staff
	Holding D. P. H.		Holding L. P. H. S.		
	Whole-time	Part-time	Whole-time	Part-time	
(1)	(2)	(3)	(4)	(5)	(6)
Nagpur	..	..	..	..	5
Wardha	..	..	..	..	3
Chanda	..	..	..	..	5
Chhindwara	..	..	..	..	5
Betul	..	..	..	..	3
Jubbulpore	..	..	..	..	4
Saugor	..	..	..	..	6
Mandla	..	..	..	..	3
Hoshangabad	..	..	..	..	6
Nimar	..	..	..	..	3
Raipur	..	..	..	..	4
Bilaspur	..	..	..	..	3
Drug	..	..	..	..	4
Bhandara	..	..	..	..	3
Balaghat	..	..	..	..	3
Amraoti	..	..	..	..	6
Yeotmal	..	..	..	..	5
Akola	..	..	..	..	6
Buldana	..	..	..	..	5
Total ..	..	..	..	..	82

Urban

	Medical Officer of Health			
	Holding D. P. H.		Holding L. P. H. S.	
	Whole-time	Part-time	Whole-time	Part-time
(1)	(12)	(13)	(14)	(15)
Nagpur ..	1	..	..	..
Wardha ..	..	..	..	..
Chanda ..	..	..	..	..
Chhindwara ..	..	..	..	..
Betul ..	..	..	..	..
Jubbulpore ..	1	..	..	..
Saugor ..	..	..	..	..
Mandla ..	..	..	..	..
Hoshangabad ..	..	..	..	..
Nimar ..	..	..	..	..
Raipur ..	..	..	..	..
Bilaspur ..	..	..	1	..
Drug ..	..	..	..	..
Bhandara ..	..	..	..	..
Balaghat ..	..	..	..	..
Amraoti ..	..	..	..	..
Yeotmal ..	..	..	1	..
Akola ..	..	..	..	..
Buldana ..	..	..	..	..
..	..	..	..	..
Total ..	2	..	2	..

E

IN THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

areas

Sanitary and health inspectors	Vaccinators		School Medical Officers	Assistant Superintendent of Vaccination
	Male	Female		
(7)	(8)	(9)	(10)	(11)
	14	..	There are no officers appointed particularly for the medical inspection of schools. The work is done by the Sub-Assistant Health Officers on epidemic duty and Assistant Medical Officers in charge of branch dispensaries.	2
	7	..		1
	16	..		1
	20	..		2
	8	..		1
	14	..		1
	19	..		2
	10	..		1
	14	..		2
	9	..		2
	22	..		4
	19	..		3
	15	..		2
	12	..		2
	7	..		1
	12	..		2
	14	..		2
	14	..		2
	13	..		2
..	259	..	..	35

areas

Sanitary Inspectors	Vaccinators		Inspectors of Vaccination	School Medical Officers	Other health staff	Remarks
	Male	Female				
(16)	(17)	(18)	(19)	(20)	(21)	(22)
8	12	..	Assistant Superintendent of Vaccination, column (11), Health Officers, column (12) and Sanitary Inspectors, column (16).	As in column (10)	2 (*a*)	(*a*) One Superintendent Central Provinces Vaccine Institute, and Officer-in-charge, Public Health Institute, and one Lady Superintendent, Health School.
5	6	..				
2	2	..				
2	4	..				
1	3	..				
5	5	..				
2	6	..				
1	1	..				
5	7	..				
3	2	..				
3	4	..			1 (*b*)	(*b*) Leprosy Specialist.
2	1	..				
1	1	..				
2	3	..				
..	1	..				
3	10	..				
4	9	..				
6	6	..				
4	5	..				
59	88	..	..	..	..	..

STATEMENT SHOWING THE NUMBER OF ATTENDANCES, ETC., AT THE
DURING THE

Name of centre	Attendance at the centre: Infants	Toddlers	Ante-natal	Total
Itwari Centre (Nagpur)	9,392	7,000	515	16,907
Mominpura (Nagpur)	12,552	6,555	663	19,770
Shukrawari (Nagpur)	6,999	4,901	201	12,101
Sitabuldi (Nagpur)	3,987	3,548	322	7,857
Sadar (Nagpur)	4,547	7,574	578	12,699
Indora (Nagpur)	4,088	5,680	188	9,956
Khalasi Lines (Nagpur)	4,739	5,399	924	11,062
Dharampeth (Nagpur)	4,904	5,122	1,658	11,684
Lendra (Nagpur)	990	5,085	91	6,166
Kamptee Town	2,831	5,579	531	8,941
Katol Town	1,485	5,482	189	7,156
Saoner Town	1,802	2,114	295	4,211
Parseoni Town	5,089	9,508	179	14,776
Bela	1,439	2,092	243	3,774
Hinganghat Town	5,807	7,533	301	13,641
Chanda Town	2,765	2,620	197	5,582
Betul Town	4,222	4,775	169	9,166
Chhindwara Town	2,855	10,300	247	13,402
Seoni Town	2,031	6,344	355	8,730
Civil Lines (Jubbulpore)	5,025	7,187	306	12,518
Hanmantal (Jubbulpore)	5,672	5,283	557	11,512
Lordganj (Jubbulpore)	5,420	4,978	89	10 487
Saugor Town	4,521	4,593	275	9,389
Damoh Town	1,830	5,438	137	7,405
Hoshangabad	3,173	5,831	118	9,122
Itarsi	1,477	2,693	221	4,391
Sohagpur	2,426	3,414	151	5,991
Narsinghpur	898	3,424	32	4,354

F

INFANT WELFARE CENTRES IN THE CENTRAL PROVINCES AND BERAR
YEAR 1939

Home visiting				Ante-natal examination		Whether sewing classes are held	Whether dais' classes are held	Whether mothers' classes are held
Infants	Toddlers	Ante-natal	Post-natal	Urine test	Pelvic measurements taken			
397	261	2,327	3,983	509	144	Yes	Yes	Yes
898	612	5,525	5,450	627	251	Yes	Yes	Yes
84	51	1,393	4,112	200	99	Yes	Yes	Yes
120	88	798	1,679	319	147	Yes	Yes	Yes
3,681	3,732	1,393	2,993	294	145	Yes	Yes	Yes
1,583	1,242	187	1,925	145	69	Yes	Yes	Yes
1,304	1,415	347	394	100	98	..	Yes	Yes
808	722	725	1,055	104	32	Yes	..	Yes
790	991	398	338	61	21	..	Yes	Yes
1,230	804	847	1,643	85	32	Yes	Yes	Yes
867	867	220	3,160	69	46	Yes	Yes	Yes
554	573	271	1,127	90	84	..	Yes	Yes
2,008	2,438	567	564	54	12	..	Yes	Yes
892	1,119	471	644	130	70	Yes	Yes	Yes
1,545	1,385	561	1,335	82	47	..	Yes	Yes
1,446	1,492	352	904	70	85	Yes	Yes	Yes
624	336	552	910	76	..	Yes	Yes	Yes
863	777	508	1,569	226	18	Yes	Yes	Yes
1,827	1,431	920	1,223	70	62	Yes	Yes	Yes
1,143	563	1,105	4,282	182	140	Yes	Yes	Yes
1,538	993	750	2,094	215	12	Yes	Yes	Yes
1,897	470	607	2,171	47	..	Yes	Yes	Yes
1,755	1 802	525	440	26	26	Yes	Yes	Yes
881	774	352	615	20	11	..	Yes	Ye
727	605	262	1,233	37	22	Yes	Yes	Yes
595	711	169	1,546	8	1	..	Yes	Yes
1,954	1,174	460	2,355	13	19	..	Yes	Yes
1,263	1,138	249	676	11	1	..	Yes	Yes

STATEMENT SHOWING THE NUMBER OF ATTENDANCES, ETC., AT THE
DURING THE

Name of centre		Attendance at the centre: Infants	Toddlers	Ante-natal	Total
Kareliganj Town ..	..	820	1,468	66	2,354
Pipariya ..	..	2,152	4,084	159	6,395
Pachmarhi ..	..	1,623	4,339	90	6,052
Seoni-Malwa ..	..	5,855	9,826	1,091	16,772
Khaperkheda ..	..	2,578	4,610	155	7,343
Jamai Ashram ..	..	348	1,543	22	1,913
Khandwa (Lady Butler Centre)	..	2,334	4,512	168	7,014
Ghaspura ..	..	3,902	11,484	230	15,616
Boregaon ..	..	2,134	7,030	117	9,281
Chhegaon-Makhan ..	..	374	1,085	39	1,498
Sonewara (Burhanpur) ..	..	2,624	3,242	232	6,098
Sindhipura (Burhanpur) ..	..	5,084	2,519	283	7,886
Loni (Burhanpur) ..	..	5,064	5,984	345	11,393
Baijnathpara (Raipur) ..	..	4,275	5,337	572	10,184
Puranibasti (Raipur) ..	..	2,319	7,224	236	9,779
Dhamtari Town ..	..	1,476	7,186	173	8,835
Bhatapara Town ..	..	3,423	3,713	431	7,567
Baloda Bazar Town ..	..	601	3,468	67	4,136
Mahasamund ..	..	832	4,773	56	5,661
Kharora ..	..	223	829	98	1,150
Sadar Bazar (Bilaspur) ..	..	3,013	5,861	84	8,958
Juna Bilaspur (Bilaspur) ..	..	1,707	3,795	92	5,594
Drug Town ..	..	908	4,287	455	5,650
Bhandara Town ..	..	3,128	9,685	112	12,925
Waraseoni ..	..	1,714	5,040	308	7,062
Lanji ..	..	811	1,797	142	2,750
Katangi ..	..	999	2,405	313	3,717
Amraoti Camp ..	..	..	..	..	..

F

INFANT WELFARE CENTRES IN THE CENTRAL PROVINCES AND BERAR

YEAR 1939—*contd.*

Home visiting				Ante-natal examination		Whether sewing classes are held	Whether dais' classes are held	Whether mothers' classes are held
Infants	Toddlers	Ante-natal	Post-natal	Urine test	Pelvic measurements taken			
909	720	416	847	..	..	Yes	Yes	Yes
1,395	1,300	240	1,218	19	12	Yes	Yes	Yes
1,053	3,148	553	1,099	65	39	..	Yes	Yes
986	392	465	698	46	46	Yes	Yes	Yes
1,651	2,125	575	783	76	41	Yes	Yes	Yes
856	1,277	366	80	..	..	Yes	..	Yes
825	825	322	1,069	113	32	Yes	Yes	Yes
1,619	1,589	669	1,518	133	81	Yes	Yes	Yes
1,148	1,460	257	186	10	3	Yes	..	Yes
268	306	122	66	14	..	Yes	Yes	Yes
1,311	1,364	482	925	60	52	Yes	Yes	Yes
2,014	1,748	820	3,552	100	103	..	Yes	Yes
1,163	1,068	492	682	22	64	Yes	Yes	Yes
1,357	1,305	876	1,551	143	84	Yes	Yes	Yes
1,500	787	541	1,362	56	32	Yes	Yes	Yes
1,438	1,342	277	3,164	67	73	Yes	Yes	Yes
832	878	260	1,900	65	41	Yes	Yes	Yes
654	929	312	507	19	7	Yes	Yes	Yes
624	630	199	271	9	9	Yes	Yes	Yes
741	959	442	524	22	..	Yes	Yes	Yes
1,465	891	381	1,091	14	..	Yes	Yes	Yes
922	1,388	265	1,118	3	..	Yes	Yes	Yes
1,061	679	570	978	..	..	Yes	Yes	Yes
928	809	900	1,560	107	73	Yes	Yes	Yes
1,511	1,683	1,443	1,299	34	21	Yes	Yes	Yes
1,256	1,528	326	267	8	8	Yes	Yes	Yes
842	752	293	353	1	1	Yes	Yes	Yes
..	..	..	..	..	..	..	..	..

STATEMENT SHOWING THE NUMBER OF ATTENDANCES, ETC., AT TH IN
DURING TH YE

Name of centre		Attendance at the centre			Tot
		Infants	Toddlers	Ante-natal	
Masanganj (Amraoti) ..	..	..	..	..	..
Ellichpur Camp ..	..	3,747	3,885	176	7,808
Daryapur Town ..	..	3,660	4,356	186	8,202
Chandur Bazar Town ..	..	2,251	2,148	717	5,116
Karajgaon ..	..	1,570	2,078	55	3,703
Shendurjana Bazár ..	..	2,062	2,140	402	4,604
Navsari ..	..	406	1,580	249	2,235
Hanuman Basti (Akola) ..	..	4,148	2,368	203	6,719
Basim Town ..	..	3,203	3,003	578	6,784
Ugwa ..	..	1,825	5,348	60	7,233
Khamgaon (Main centre) ..	..	10,891	25,706	491	37,088
Malkapur Town ..	..	2,139	4,856	872	7,867
Deolgaon-Mahi ..	..	1,047	1,539	23	2,609
Yeotmal Town ..	..	2,503	2,109	98	4,710
Ghatanji Town ..	..	3,356	8,788	79	12,223
Digras Town ..	..	3,042	4,663	48	7,753
Wun Town ..	..	1,798	2,091	44	3,933
Umarkhed town ..	..	2,664	3,356	538	6,558
Total ..	..	223,599	357,192	20,687	601,478

FANT WELFARE CENTRES IN THE CENTRAL PROVINCES AND BERAR
AR 1939—*concld.*

Home visiting				Ante-natal examination		Whether sewing classes are held	Whether dais' classes are held	Whether mothers' classes are held
Infants	Toddlers	Ante-natal	Post-natal	Urine test	Pelvic measurements taken			
..	..	..	..	..	..	..	..	..
1,176	985	319	606	14	14	Yes	Yes	Yes
1,203	939	312	736	75	59	Yes	Yes	Yes
1,249	898	1,531	1,979	114	188	Yes	Yes	Yes
611	528	116	573	23	..	Yes	Yes	Yes
1,702	865	857	880	71	31	Yes	Yes	Yes
1,338	1,229	519	807	3	2	Yes	Yes	Yes
800	1,149	264	487	130	95	Yes	Yes	Yes
733	472	551	730	14	..	..	..	Yes
976	1,576	320	800	44	19	Yes	Yes	Yes
1,119	1,878	403	1,915	60	55	Yes	Yes	Yes
470	459	651	2,631	..	84	..	Yes	Yes
1,130	1,100	89	191	..	..	..	Yes	..
1,423	1,705	297	1,288	30	45	..	Yes	Yes
964	841	290	629	65	44	..	Yes	Yes
744	505	343	483	..	3	..	Yes	Yes
938	1,095	191	634	11	4	..	Yes	..
817	625	317	881	..	..	..	Yes	Yes
80,996	77,297	42,075	95,338	5,730	3,159	..	..	..

APPENDIX G

STATEMENT OF WATER-WORKS IN TOWNS AND PARTICULARS OF SUPPLY

[The water-supply in the following towns is from water-works. The remainder are supplied from wells.]

Name of Town ..	Population	Source of supply	Methods of purification	Potability of water	Method of supply
Nagpur ..	215,165	Two reservoirs with impounded catchment areas.	Automatic chlorination ..	Satisfactory during dry weather, unpotable during rains.	Pumping and gravitation.
Wardha ..	19,571	River (Paonar) ..	Sedimentation with alum filtration, chlorination with Patterson chloronome.	Potable ..	Pumping.
Arvi ..	16,293	Impounded reservoir ..	No chlorination ..	Unpotable ..	Gravitation.
Hinganghat ..	22,601	River (Wana) ..	From unfiltration well. Automatic chlorination.	Unpotable ..	Pumping.
Seoni ..	16,081	Impounded reservoir ..	Chlorination only venture. Patterson chloronome.	Potable during dry season. Unpotable during rains.	Gravitation.
Jubbulpore ..	104,317	Impounded reservoir ..	Automatic chlorination ..	Unpotable ..	Gravitation.
Damoh ..	20,728	Impounded reservoir ..	Automatic chlorination ..	Potable during dry season. Unpotable during rains.	Pumping.
Harda ..	16,031	Ajnar river ..	*Nil.*	Unpotable ..	Pumping.
Khandwa ..	34,622	Impounded reservoir. Rameshwar well. Infiltration in Bhairy talao.	Automatic chlorination ..	Well water unpotable. Tank potable during dry season and unpotable during rains.	Gravitation. Supplementary pumps.
Burhanpur ..	44,066	Special wells and subteranean aqueducts.	Rough uncontrolled. Chlorination with [illegible]	Potable during dry season.	Gravitation.

Raipur ..	45,390	River (Karun). Infiltration wells.	Automatic chlorination ..	Unpotable ..	Pumping.
Bhandara ..	16,738	Infiltration wells on Wainganga river.	*Nil* ..	Unpotable ..	Pumping.
Amraoti Town ..	46,832	Impounded reservoir ..	Automatic chlorination ..	Potable during dry season and unpotable during rains.	Gravitation. Supplementary pumps.
Amraoti Camp ..	10,268	Impounded catchment area and reservoir.	Inefficient filtration. No chlorination by hand*.	Unpotable ..	Gravitation. Supplementary pumps.
Ellichpur ..	28,592	Subterranean aqueducts fed by mountain stream. Also ordinary wells.	*Nil* ..	Unpotable ..	Gravitation and masonry aqueducts.
Akola ..	47,632	Impounded reservoir ..	Automatic chlorination ..	Potable during dry season and unpotable during rains.	Gravitation. Supplementary pumps.
Buldana ..	7,504	River (Painganga). Infiltration galleries.	*Nil* ..	Unpotable ..	Pumping.
Khamgaon ..	33,462	Impounded reservoir ..	*Nil* ..	Unpotable ..	Gravitation.
Shegaon ..	14,698	Infiltration wells in Man River.	*Nil* ..	Unpotable ..	Pumping.

*A Patterson chloronome is being installed.

DEATHS REGISTERED FROM SPECIAL DISEASES

Month		Cholera	Smallpox	Plague	Dysentery	Diarr-hoea	Enteri fever
January	..	51	18	104	342	1,984	72
February	..	24	33	192	265	1,607	75
March	..	32	148	210	304	1,973	107
April	..	72	167	173	312	1,641	139
May	..	55	126	8	318	1,388	207
June	..	16	85	..	245	1,085	184
July	..	32	38	..	383	1,782	65
August	..	335	14	17	724	3,003	83
September	..	479	8	38	832	3,439	102
October	..	361	15	39	530	3,228	99
November	..	180	25	43	457	2,509	84
December	..	24	85	28	362	1,722	70
Total	..	1,661	762	852	5,074	25,361	1,287

IN CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

Measles	Whooping cough	Pneumonia	Diphtheria	Influenza	Cerebro-spinal meningitis	Malaria
41	310	302	1	10	6	21,227
62	280	269	2	20	1	18,019
121	289	371	1	18	5	22,234
228	211	357	3	24	2	20,445
260	180	398	3	15	2	25,824
208	132	178	7	23	..	19,264
148	188	190	5	34	2	16,134
122	156	225	5	19	..	20,572
101	176	300	3	11	1	24,710
67	228	311	1	15	..	28,870
36	282	329	6	15	1	31,347
98	301	309	5	34	1	27,786
1,492	2,733	3,539	42	238	21	276,432

APPENDIX I

REPORT ON SANITARY WORKS UNDERTAKEN BY THE PUBLIC WORKS DEPARTMENT DURING THE FINANCIAL YEAR 1939-40

The report is grouped under the following heads :—

Part I.—Water Works.

Part II.—Drainage.

Part III.—Anti-malarial and sanitary measures.

Part I.—Water Works

1. *Jubbulpore Water Works.*—(i) The management continued to be in the hands of the Executive Engineer, Jubbulproe division, with the help of an Assistant Engineer appointed by the municipality. The expenditure incurred during the year under report and the previous report compares as follows :—

		1938-39	1939-40
		Rs.	Rs.
Total expenditure	..	38,101	36,976
Expenditure on maintenance	..	(*a*)27,191	(*b*)25,837

(ii) The rainfall was adequate and the water-supply on the whole was sufficient.

(iii) A stage I estimate amounting to Rs. 10 lakhs for the scheme of pumping water from the Gour river into the present reservoir and laying necessary mains of bigger sizes was submitted to the Provincial Government through the Deputy Commissioner, Jubbulpore, last year. The stage I estimate on revision amounts to Rs. 10·57 lakhs and has since been approved by the Chief Engineer. The question of granting a requisite loan for the execution of the work is still under the consideration of the Government.

2. *Raipur Water Works.*—The estimates for improvements, though approved by the Municipal Committee, remained pending as the committee was still unable to finance the scheme to the satisfaction of the Government.

3. *Bhatapara Water Supply.*—The Notified Area Committee has decided that the scheme of the supply of water from wells should be investigated further. An estimate, amounting to Rs. 430 for carrying out necessary surveys and preparation of stage II estimate, has been approved.

4. *Drug Town Water Supply.*—The scheme was sent to the Director of Public Health for obtaining the approval of the Board of Public Health but he has not approved the proposed location of the purification works (sedimentation and filtration).

(*a*) Includes Rs. 6,564 spent on the renewal of a part of 24" main.

(*b*) Includes Rs. 4,709 spent on the renewal of a part of 24" main.

Part II—Drainage

1. *Drug Drainage Scheme.*—A stage I estimate amounting to Rs. 1,00,000 (one lakh) has been forwarded to the Commissioner, Chhattisgarh division.

2. *Bilaspur Drainage Scheme.*—The revised estimate is still under the consideration of the Municipal Committee.

3. *Gondia Town Drainage Scheme.*—The scheme has been sent to the Director of Public Health, Central Provinces and Berar, to see if the finances of the municipality are adequate to finance the scheme costing about Rs. 3 lakhs.

Part III—Anti-malarial and sanitary measures

No work was undertaken under this head during the year under report.

APPENDIX J

SHOWING BIRTHS, DEATHS, INFANTS AND MATERNAL MORTALITY RATES IN URBAN AND RURAL AREAS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

District	Birth rate		Death rate		Infant mortality rate		Maternal mortality rate		
	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Whole district
Nagpur ..	44·60	33·56	36·79	28·41	222·01	228·28	11·40	7·92	9·36
Wardha ..	37·14	33·00	26·40	29·35	200·00	245·06	17·50	11·12	12·35
Chanda ..	44·94	40·71	32·91	28·51	209·04	212·49	14·29	6·77	7·42
Chhindwara ..	39·15	32·25	33·16	32·11	202·77	212·83	4·51	4·73	4·73
Betul ..	37·59	38·45	30·18	34·25	198·70	217·63	9·40	1·36	6·59
Jubbulpore ..	46·74	46·70	34·71	41·28	261·08	260·05	10·44	6·91	7·59
Saugor ..	44·97	42·15	36·99	44·11	245·12	245·06	7·53	5·58	5·83
Mandla ..	48·03	34·41	44·05	28·37	230·94	192·76	10·99	7·44	7·53
Hoshangabad	40·18	38·24	34·04	38·05	240·58	267·85	7·01	3·13	3·57
Nimar ..	44·30	39·84	33·05	37·64	213·10	244·20	12·75	4·55	6·16
Raipur ..	39·27	38·63	26·40	27·16	195·63	204·22	11·31	9·02	9·14
Bilaspur ..	36·74	41·20	26·06	27·16	207·31	194·84	7·32	7·39	7·39
Drug ..	45·09	42·51	31·00	30·62	248·09	222·77	12·95	9·19	9·26
Bhandara ..	36·74	37·29	24·00	25·43	190·37	213·80	17·73	5·63	6·44
Balaghat ..	23·18	33·07	15·77	26·93	90·16	208·59	4·10	2·45	2·47
Amraoti ..	40·55	36·89	25·81	29·36	166·45	218·18	16·12	17·53	17·22
Yeotmal ..	36·23	32·99	24·96	29·74	179·39	208·29	11·50	9·74	9·93
Akola ..	39·66	33·19	28·57	32·11	183·36	225·23	11·89	15·49	14·73
Buldana ..	38·62	36·26	27·53	29·29	185·72	194·40	10·37	13·93	13·41
Total ..	41·50	37·87	31·05	31·07	209·98	219·80	11·65	8·18	8·60

APPENDIX K

STATEMENT SHOWING THE RAINFALL IN EACH DISTRICT IN THE CENTRAL

District		January	February	March	April	May
Nagpur	..	0.07	..	1.89	0.25	..
Wardha	..	0.13	0.05	1.71	0.17	..
Chanda	..	..	..	1.55	0.63	..
Chhindwara	..	0.57	0.83	3.30	0.03	..
Betul	..	1.18	0.20	3.31	..	..
Jubbulpore	..	1.43	0.37	0.70	0.04	..
Saugor	..	1.16	0.08	0.14	0.01	..
Mandla	..	1.23	2.53	1.87	1.07	..
Hoshangabad	..	0.62	0.01	0.50	..	..
Nimar	..	0.31	..	0.47	..	..
Raipur	..	..	..	2.34	0.39	..
Bilaspur	..	0.70	2.00	3.15	0.49	..
Drug	..	..	0.72	2.88	0.11	..
Bhandara	..	0.15	..	1.22	0.02	..
Balaghat	..	0.33	1.14	1.54	0.75	..
Amraoti	..	0.30	..	3.03	..	..
Yeotmal	..	..	..	1.20	0.42	..
Akola	..	..	..	0.17	0.57	..
Buldana	..	0.02	..	0.15	1.87	..

K

PROVINCES AND BERAR DURING THE YEAR 1939

June	July	August	September	October	November	December	Total rainfall
5.67	13.35	12.62	2.78	0.30	..	..	36.93
4.46	6.66	12.24	2.23	1.20	..	..	28.85
2.72	7.87	19.05	2.26	3.22	0.05	..	37.35
3.24	11.83	20.35	1.85	1.07	..	..	43.07
2.88	14.63	21.47	5.45	1.68	0.96	0.05	51.81
5.91	21.81	15.40	8.13	0.04	..	..	53.83
4.67	23.07	9.08	4.39	0.21	..	0.02	42.83
5.82	25.65	19.60	7.40	0.34	..	..	65.51
4.17	23.95	19.52	7.23	..	..	0.07	56.07
4.81	5.81	10.79	2.92	..	0.77	..	25.88
4.20	14.16	28.62	5.67	2.76	..	..	58.14
12.39	14.50	19.74	9.44	1.60	..	..	64.01
3.87	14.59	20.00	5.29	3.01	..	..	50.47
3.45	11.84	17.25	5.75	0.35	..	..	40.03
6.55	25.45	26.90	4.66	0.59	..	..	67.91
2.61	6.55	12.95	1.93	0.74	..	..	28.11
3.47	9.19	18.34	0.73	0.22	..	..	33.57
2.52	9.01	12.71	0.85	0.37	1.02	0.01	27.23
7.83	5.75	12.42	2.21	0.16	1.48	..	31.87

STATEMENT SHOWING TEMPERATURE IN EACH DISTRICT

Disrict		January		February	
		Minimum	Maximum	Minimum	Maximum
Nagpur	..	56.4	86.3	60.03	91.6
Wardha	..	..	..	..	..
Chanda	..	55.9	86.1	62.2	92.3
Chhindwara	..	..	..	..	..
Betul	..	..	..	..	..
Jubbulpore	..	50.6	82.4	55.7	85.1
Saugor	..	55.9	78.4	58.5	80.8
Mandla	..	..	..	..	..
Hoshangabad	..	57.1	82.6	60.5	86.7
Nimar	..	55.0	87.7	56.5	84.2
Raipur	..	56.5	84.2	63.1	88.6
Bilaspur	..	..	..	..	..
Drug	..	.	..	..	..
Bhandara	..	..	..	..	..
Balaghat	..	..	..	..	..
Amraoti	..	61.4	84.1	64.9	89.5
Yeotmal	..	..	..	..	..
Akola	..	57.5	88.8	62.2	93.3
Buldana	..	..	..	..	..

THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

March		April		May		June		July	
Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
64.9	94.3	75.7	103.6	85.0	110.2	78.5	98.5	74.3	86.6
..	..	..	..	..	..	..	..	..	..
65.5	96.1	77.4	103.6	80.7	111.3	80.2	101.0	76.4	88.3
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
58.8	90.0	67.1	101.4	77.6	108.1	79.1	97.5	74.6	85.4
61.5	87.2	73.1	98.4	80.3	105.0	77.6	95.5	73.1	83.8
..	..	..	..	..	..	..	..	..	..
63.6	91.1	74.9	102.1	80.3	107.5	79.5	98.6	74.8	85.6
62.1	94.8	74.1	104.4	80.8	107.1	79.1	99.8	74.9	87.6
66.3	92.1	77.7	103.1	83.9	111.2	79.3	99.9	74.8	85.1
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
67.8	94.4	77.2	104.2	80.0	108.5	78.9	99.1	73.9	87.6
..	..	..	..	..	..	..	..	..	..
65.4	96.2	76.0	104.7	81.6	108.1	78.9	99.6	74.8	88.4
..	..	..	..	..	..	..	..	..	..

STATEMENT SHOWING TEMPERATURE IN EACH DISTRICT I

District	August		September	
	Minimum	Maximum	Minimum	Maximu
Nagpur	73.6	87.6	73.0	88.8
Wardha	..	..	..	..
Chanda	75.3	87.3	75.0	89.5
Chhindwara	..	..	..	..
Betul	..	..	..	..
Jubbulpore	74.7	85.6	72.9	85.4
Saugor	72.6	84.7	70.9	83.7
Mandla	..	..	..	..
Hoshangabad	74.9	86.8	72.7	85.1
Nimar	74.4	88.6	72.4	86.3
Raipur	74.6	85.8	75.3	87.3
Bilaspur	..	..	..	..
Drug	..	..	..	..
Bhandara	..	..	..	..
Balaghat	..	..	..	..
Amraoti	73.5	86.7	72.2	87.6
Yeotmal	..	..	..	..
Akola	73.6	88.4	73.6	89.2
Buldana	..	..	..	..

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THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*concld.*

October		November		December		Total average temperature	
Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
69.0	91.5	57.7	86.8	53.8	82.6	68.5	92.4
..	..	..	..	..	..	..	..
70.4	89.6	57.1	84.5	50.6	82.2	68.9	92.7
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
64.6	90.8	50.3	85.9	44.9	80.3	64.2	89.8
67.8	89.4	58.8	83.1	52.6	76.5	66.9	87.2
..	..	..	..	..	..	..	..
67.0	92.5	56.1	86.3	51.7	79.8	67.8	90.4
65.7	95.2	52.5	88.6	47.5	84.5	66.4	93.0
71.2	89.7	58.7	84.1	54.1	80.2	69.7	90.9
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
70.3	91.8	62.4	86.5	58.3	82.6	70.1	91.9
..	..	..	..	..	..	..	..
67.9	93.9	55.9	87.7	51.4	83.9	68.3	93.5
..	..	..	..	..	..	..	..

VITAL STATISTICS

BIRTHS REGISTERED IN EACH DISTRICT OF THE CENTRAL

Serial No.	District	Estimated population: Male	Female	Total
	Nagpur Division.			
1	Nagpur	517,957	494,490	1,012,447
2	Wardha	277,934	272,817	550,751
3	Chanda	421,683	419,553	841,236
4	Chhindwara	510,369	526,476	1,036,845
5	Betul	210,033	217,927	427,960
	Total ..	1,937,976	1,931,263	3,869,239
	Jubbulpore Division.			
6	Jubbulpore	437,791	429,927	867,718
7	Saugor	468,299	451,379	919,678
8	Mandla	248,181	252,854	501,035
9	Hoshangabad	425,981	418,053	844,034
10	Nimar	247,717	237,250	484,967
	Total ..	1,827,969	1,789,463	3,617,432
	Chhattisgarh Division.			
11	Raipur	727,076	782,988	1,510,064
12	Bilaspur	737,560	778,969	1,516,529
13	Drug	429,845	471,320	901,165
14	Bhandara	456,914	465,223	922,137
15	Balaghat	298,395	312,301	610,696
	Total ..	2,649,790	2,810,801	5,460,591
	Berar Division.			
16	Amraoti	508,215	481,243	989,458
17	Yeotmal	468,179	455,867	924,046
18	Akola	464,116	441,041	905,157
19	Buldana	416,711	405,111	821,822
	Total ..	1,857,221	1,783,262	3,640,483
	Total for the province ..	8,272,956	8,314,789	16,587,745

VINCES AND BERAR DURING THE YEAR 1939

Number of births registered			Ratio of births per 1,000 of population			Mean ratio of births per 1,000 during the previous five years		
Male	Female	Total	Male	Female	Total	Male	Female	Total
19,584	18,230	37,814	19.34	18.01	37.35	23.34	21.93	45.27
9,438	9,131	18,569	17.14	16.58	33.72	20.67	19.41	40.08
17,841	16,684	34,525	21.21	19.83	41.04	22.86	21.68	44.54
18,234	17,549	35,783	17.59	16.93	34.52	21.52	20.54	42.06
8,503	7,937	16,440	19.87	18.54	38.41	22.52	21.46	43.98
73,600	69,531	143,131	19.02	17.97	36.99	24·27	21.09	45.36
20,671	19,859	40,530	23.82	22.89	46.71	27.12	25.76	52.88
20,288	18,795	39,083	22.06	20.44	42.50	25.86	23.92	49.78
8,989	8,380	17,369.	17.94	16.73	34.67	20.92	20.13	41.05
16,813	15,641	32,454	19.92	18.53	38.45	23.05	21.78	44.83
10,200	9,504	19,704	21.02	19.60	40.62	23.59	22.17	45.76
76,961	72,179	149,140	21.28	19.94	41.22	24.50	23.07	47.57
29,505	28,882	58,387	19.54	19.13	38.67	21.25	20.42	41.67
31,968	30,289	62,257	21.08	19.97	41.05	21.47	20.09	41.16
19,310	19,032	38,342	21.43	21.12	42.55	23.37	22.72	46.09
17,646	16,709	34,355	19.14	18.12	37.26	21.93	21.20	43.13
10 421	9,673	20,094	17.06	15.84	32.90	18.61	17.55	36.16
108,850	104,585	213,435	19.93	19.15	39.08	23.36	20.45	43.81
19,188	18,067	37,255	19.39	18·26	37.65	21.10	19.80	40.90
15,901	14,870	30,771	17.21	16·09	33.30	20.84	19.39	40.23
16,031	15,074	31,105	17.72	16.65	34.37	20.40	19.18	39.58
15,534	14,537	30,071	18.90	17.69	36.59	21.93	20.82	42.75
66,654	62,548	129,202	18.31	17.18	35.49	21.04	19.76	40.80
326,065	308,843	634,908	19.66	18.62	38.28	20.73	19.63	40.36

DEATHS REGISTERED IN THE DISTRICTS OF THE

Serial No.	District	Area in square miles	Average population per square mile	Number of deaths	
				Male	Female
	Nagpur Division.				
1	Nagpur ..	3,834	245·19	16,511	15,169
2	Wardha ..	2,434	212·11	8,423	7,462
3	Chanda ..	9,312	81·58	12,792	11,486
4	Chhindwara ..	7,794	247·65	17,430	15,917
5	Betul ..	3,910	103·64	7,894	6,696
	Total ..	27,284	131·55	63,050	56,730
	Jubbulpore Division.				
6	Jubbulpore ..	3,912	197·80	17,901	16,811
7	Saugor ..	6,771	246·24	20,879	18,880
8	Mandla ..	5,057	88·15	7,531	6,829
9	Hoshangabad ..	5,671	254·20	16,599	15,148
10	Nimar ..	4,227	110·46	9,845	8,015
	Total ..	25,638	130·46	72,755	65,683
	Chhattisgarh Division.				
11	Raipur ..	8,694	157·20	21,452	19,500
12	Bilaspur ..	7,489	183·80	21,655	19,477
13	Drug ..	4,716	173·44	14,220	13,375
14	Bhandara ..	3,623	227·57	12,295	11,070
15	Balaghat ..	3,557	158·17	8,808	7,519
	Total ..	28,079	176·19	78,430	70,941
	Berar Division.				
16	Amraoti ..	4,691	200·72	14,819	13,501
17	Yeotmal ..	5,219	164·26	14,399	12,651
18	Akola ..	4,091	214·21	14,783	13,694
19	Buldana ..	3,766	203·55	12,373	11,491
	Total ..	17,767	193·72	56,374	51,337
	Total for the province ..	98,730	155·20	270,609	244,691

RM No. II

NTRAL PROVINCES AND BERAR DURING THE YEAR 1939

stered	Ratio per 1,000 of population				
Total	Cholera	Smallpox	Plague	Fevers	Dysentery and diarrhoea
31,680	0.01	0.04	..	14.76	1.14
15,885	0.01	0.01	..	11.28	3.15
24,278	0.08	0.01	..	15.37	0.84
33,347	..	0.01	0.01	21.16	1.03
14,590	..	0.01	0.04	14.63	0.90
119,780	0.02	0.02	0.01	16.10	1.30
34,712	0.09	0.16	0.35	19.75	2.75
39,759	0.11	0.02	0.24	28.65	1.38
14,360	0.02	0.01	0.10	21.97	0.95
31,747	0.02	0.24	0.26	25.09	1.65
17,860	0.01	0.45	..	14.35	0.69
138,438	0.06	0.19	0.14	24.52	1.62
40,952	0.01	..	..	18.36	1.05
41,132	0.05	0.01	..	18.65	1.17
27,595	0.01	..	..	22.10	1.02
23,365	0.04	..	..	16.39	0.32
16,327	..	..	..	21.49	0.30
149,371	0.03	..	..	19.07	0.87
28,320	0.62	..	..	10.26	4.58
27,050	0.01	..	0.01	17.42	2.50
28,477	0.18	..	..	12.10	5.42
23,864	0.66	0.11	..	9.70	3.67
107,711	0.34	0.02	..	12.41	4.06
515,300	0.10	0.05	0.05	18.11	1.83

DEATHS REGISTERED IN THE DISTRICTS OF THE

Ratio per 1,000 of population—concld.

Serial No.	District	Respiratory diseases	Injuries	All other causes
	Nagpur Division.			
1	Nagpur ..	3.30	0.45	11.59
2	Wardha ..	2.95	0.55	10.89
3	Chanda ..	0.65	0.49	11.42
4	Chhindwara ..	1.84	0.45	7.66
5	Betul ..	5.58	0.57	12.36
	Total ..	2.54	0.50	10.47
	Jubbulpore Division.			
6	Jubbulpore ..	12.83	0.50	3.57
7	Saugor ..	5.39	0.49	6.95
8	Mandla ..	1.14	0.33	4.14
9	Hoshangabad ..	1.11	0.33	8.91
10	Nimar ..	4.51	0.31	16.51
	Total ..	5.46	0.39	5.89
	Chhattisgarh Division.			
11	Raipur ..	1.10	0.31	6.29
12	Bilaspur ..	0.91	0.25	6.08
13	Drug ..	0.55	0.27	6.67
14	Bhandara ..	0.89	0.38	7.32
15	Balaghat ..	0.28	0.33	4.34
	Total ..	0.83	0.31	6.24
	Berar Division.			
16	Amraoti ..	2.43	0.36	10.47
17	Yeotmal ..	1.55	0.38	7.40
18	Akola ..	3.35	0.38	10.03
19	Buldana ..	3.86	0.32	11.27
	Total ..	2.76	0.29	9.54
	Total for the province ..	2.66	0.38	7.89

CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*concld.*

All causes			Mean ratio of deaths per 1,000 during the previous five years		
Male	Female	Total	Male	Female	Total
31.88	30.68	31.29	39.25	38.83	39.05
30.31	27.35	28.84	36.23	33.97	35.11
30.34	27.38	28.86	34.47	32.16	33.31
34.15	30.23	32.16	38.02	34.22	36.09
37.58	30.73	34.09	45.81	40.46	43.11
32.53	29.37	30.96	38.28	35.65	36.93
40.89	39.10	40.00	41.09	38.66	39.89
44.58	41.83	43.23	40.40	38.83	40.04
30.34	27.01	28.66	29.19	26.22	27.71
38.97	36.23	37.61	44.30	41.94	42.66
39.74	33.78	36.83	49.73	45.83	47.44
39.80	36.71	38.27	41.46	38.79	40 15
29.50	24.91	27.12	34.98	29.82	32.58
29.36	25.00	27.12	34.28	29.33	31.73
33.08	28.38	30.62	39.40	33.39	36.25
26.91	23.80	25.34	32.02	28.77	30.58
29.51	24.08	26.74	29.89	24.49	27.15
29.60	25.24	27.35	34.60	29.54	32.07
29.16	28.05	28.62	38.12	36.96	37.56
30.76	27.75	29.27	35.34	33.39	34.38
31.85	31.05	31.46	38.62	38.62	38.63
29.69	28.36	29.04	37.36	36.31	38.84
30.35	28.79	29.42	37.39	36.35	38.88
32.71	29.43	31.07	35.20	32.06	33.63

DEATHS REGISTERED IN THE DISTRICTS (RURAL CIRCLES) OF THE CE

Serial No.	Districts		January	February	March	April	May
	A.—RURAL DISTRICTS						
	Nagpur Division						
1	Nagpur	..	1,819	1,448	1,604	1,292	1,444
2	Wardha	..	1,381	1029	1,264	1,076	199
3	Chanda	..	1,779	1,490	1,686	1,449	1,538
4	Chhindwara	..	2,434	2,119	2,568	2,257	2,428
5	Betul	..	1,237	1,106	1,325	1,196	1,154
	Total	..	8,650	7,192	8,447	7,271	7,563
	Jubbulpore Division						
6	Jubbulpore	..	1,694	1,641	2,105	1,990	2,334
7	Saugor	..	2,618	2,291	2,628	2,447	2,655
8	Mandla	..	940	805	962	826	1,101
9	Hoshangabad	..	2,330	2,049	2,742	2,195	2,331
10	Nimar	..	1,662	1,599	2,147	1,411	1,322
	Total	..	9,244	8,385	10,584	8,869	9,743
	Chhattisgarh Division						
11	Raipur	..	2,492	2,115	2,424	2,962	4,367
12	Bilaspur	..	2,975	2,243	2,719	2,450	4,501
13	Drug	..	1,697	1,285	1,494	1,799	3,009
14	Bhandara	..	1,709	1,188	1,454	1,409	1,768
15	Balaghat	..	1,066	857	1,034	1,146	1,575
	Total	..	9,939	7,688	9,125	9,766	15,220
	Berar Division						
16	Amraoti	..	1,963	1,653	1,978	1,759	1,721
17	Yeotmal	..	2,401	1,859	2,195	1,900	1,879
18	Akola	..	2,246	1,956	2,396	2,066	1,765
19	Buldana	..	1,710	1,441	1,706	1,855	1,569
	Total	..	8,320	6,909	8,275	7,580	6,934
	Total for Rural Circles	..	36,153	30,174	36,431	33,486	39,460
	Ratio per mille of population	..					

FORM No. III

CENTRAL PROVINCES AND BERAR DURING *EACH MONTH* OF THE YEAR 1939

June	July	August	September	October	November	December	Total deaths registered during the year
994	1,039	1,397	1,545	2,042	2,113	2,146	18,883
615	690	952	1,162	1,415	1,399	1,387	13,369
1,187	1,095	1,752	1,983	2,739	2,745	2,663	22,106
2,082	1,860	2,214	3,178	3,382	3,753	3,238	31,513
891	691	838	1,225	1,387	1,579	1,459	14,089
5,769	5,375	7,153	9,093	10,965	11,589	10,893	99,960
2,015	1,766	2,271	3,120	3,351	3,891	2,686	28,864
2,504	2,445	2,651	3,584	3,931	4,333	3,460	35,547
1,192	1,086	1,197	1,492	1,500	1,574	1,276	13,951
1,801	1,397	1,678	2,700	3,317	3,623	2,482	28,645
808	658	864	1,003	1,050	1,201	1,310	23,188
8,320	7,352	8,661	11,899	13,149	14,622	11,214	122,042
3,474	2,873	3,601	3,588	3,631	3,798	3,596	38,921
3,740	3,083	3,472	3,576	3,422	3,482	4,169	39,832
2,352	1,896	2,576	2,678	2,728	3,009	2,623	27,146
1,245	1,279	1,770	2,250	2,398	2,858	2,558	21,886
1,232	1,001	1,450	1,601	1,667	1,834	1,698	16,161
12,043	10,132	12,869	13,693	13,846	14,981	14,644	143,946
1,181	1,241	1,829	2,258	2,605	2,669	2,171	23,028
1,213	1,285	1,928	2 365	2,768	2,598	2,412	24,803
1,057	1,28	1,913	2,288	2,400	2,314	2,084	23,767
1,016	1,335	1,969	2,255	1,970	2,123	1,730	20,679
4,467	5,143	7,639	9,166	9,743	9,704	8,397	92,277
30,599	28,002	36,322	43,851	47,703	50,896	45,148	458,225

DEATHS REGISTERED IN THE TOWNS OF THE CENTRAL PROVINCES AND

Serial No.	Districts and towns		January	February	March	April	May
	B.—TOWNS						
	(1) Nagpur District						
1	Nagpur	..	857	755	695	698	934
2	Kamptee	..	43	51	36	49	62
3	Umrer	..	53	29	44	36	33
4	Katol	..	29	30	23	28	31
5	Ramtek	..	26	30	22	10	33
6	Khapa	..	38	17	24	11	19
7	Narkhed	..	18	15	22	21	25
8	Saoner	..	20	11	16	16	16
9	Kalmeshwar	..	24	8	13	11	14
10	Mowar	..	12	14	14	6	12
11	Kelod	..	22	8	12	8	18
12	Mohpa	..	11	8	17	15	11
	(2) Wardha District						
13	Wardha	..	65	51	55	64	39
14	Hinganghat	..	66	54	44	49	45
15	Arvi	..	46	38	49	27	37
16	Pulgaon	..	14	10	6	7	7
17	Deoli	..	22	14	13	6	13
18	Ashti	..	19	12	25	7	11
19	Sindi	..	10	12	6	4	14
	(3) Chanda District						
20	Chanda	..	112	69	89	72	71
21	Warora	..	22	19	26	23	21
22	Armori	..	18	19	14	21	21
23	Nawargaon	..	3	6	12	9	3
24	Brahmapuri	..	10	13	13	16	22
25	Chimur	..	13	7	10	12	12
25-A	Ballarpur	..	27	17	18	15	16
	(4) Chhindwara District						
26	Chhindwara	..	43	44	51	47	58
27	Pandhurna	..	38	33	31	35	45
28	Sausar	..	15	15	14	11	20
29	Seoni	..	29	32	43	42	56
	(5) Betul District						
30	Betul	..	30	26	29	23	18
31	Betul Bazar	..	10	6	9	11	11
	(6) Jubbulpore District						
32	Jubbulpore	..	269	284	310	337	453
33	Jubbulpore cantonment	..	7	6	9	8	7
34	Murwara	..	70	64	93	63	101
35	Sihora	..	10	13	13	15	19

D BERAR DURING *EACH MONTH* OF THE YEAR 1939—*contd.*

june	July	August	September	October	November	December	Total deaths registered during the year
562	696	819	870	908	915	863	9,572
24	40	70	65	64	63	92	659
36	37	62	57	88	73	67	615
13	24	22	32	27	29	25	313
18	24	18	31	25	23	42	302
11	18	28	21	27	26	12	252
11	21	7	17	16	23	15	211
14	22	24	14	16	24	23	216
3	8	19	11	20	17	17	165
8	13	15	19	15	11	17	156
4	7	20	15	26	25	18	183
4	12	9	16	15	13	22	153
36	56	60	66	79	85	45	701
35	45	80	75	111	77	71	752
28	25	54	42	51	23	44	464
7	6	13	17	23	17	15	142
8	13	14	19	21	13	16	172
6	5	16	17	10	17	7	152
7	8	14	10	17	16	15	133
65	68	96	94	87	84	90	997
10	12	32	24	26	27	31	273
10	15	11	21	16	29	17	212
6	3	12	10	20	9	22	115
10	21	15	15	27	16	21	199
8	14	13	6	20	23	16	154
8	10	24	14	22	29	22	222
33	56	67	55	55	66	41	616
20	31	43	53	48	31	30	438
10	14	18	22	23	24	19	205
32	40	55	66	69	60	51	575
20	16	16	39	47	40	36	340
3	7	16	20	18	29	21	161
399	405	455	384	472	456	377	4,601
10	10	10	8	10	7	20	112
61	83	67	79	73	80	64	898
14	11	14	29	33	37	29	237

DEATHS REGISTERED IN THE TOWNS OF THE CENTRAL PROVINCE

Serial No.	Districts and towns		January	February	March	April	May
	B.—TOWNS—*contd.*						
	(7) Saugor District						
36	Saugor	..	127	128	131	132	164
37	Saugor cantonment	..	21	16	21	19	16
38	Etawah	..	19	10	14	15	14
39	Khurai	..	23	16	18	10	42
40	Garhakota	..	30	19	22	35	26
41	Deori	..	13	12	17	23	27
42	Damoh	..	78	50	40	48	65
	(8) Mandla District						
43	Mandla	..	22	19	34	22	35
	(9) Hoshangabad District						
44	Hoshangabad	..	44	40	34	20	33
45	Harda	..	76	71	184	58	51
46	Sohagpur	..	17	18	23	18	21
47	Itarsi	..	26	20	25	15	17
48	Seoni-Malwa	..	19	19	16	14	24
49	Pachmarhi	..	11	7	19	6	9
50	Piparia	..	5	3	8	4	7
51	Narsinghpur	..	34	31	27	38	23
52	Gadarwara	..	20	26	22	25	31
53	Chhota-Chhindwara	..	18	7	7	7	23
54	Kareliganj	..	..	..	2	..	..
	(10) Nimar District						
55	Khandwa	..	112	129	137	122	128
56	Burhanpur	..	145	138	172	152	135
	(11) Raipur District						
57	Raipur	..	99	70	73	89	137
58	Dhamtari	..	23	25	27	29	26
59	Arang	..	8	14	8	16	31
60	Bhatapara	..	18	13	11	19	35
	(12) Bilaspur District						
61	Bilaspur	..	56	39	47	43	63
62	Mungeli	..	14	15	14	4	20
63	Champa	..	27	3	26	5	44
	(13) Drug District						
64	Drug	..	36	24	26	39	70

June	July	August	September	October	November	December	Total deaths registered during the year
182	182	228	210	199	179	164	2,026
22	26	36	44	36	35	22	314
37	17	19	37	21	30	19	252
46	27	20	29	26	28	21	306
22	19	25	31	40	35	18	322
8	9	14	27	18	7	14	189
64	77	72	88	70	78	73	803
36	36	30	46	34	62	33	409
35	32	24	44	46	38	48	438
25	41	36	32	58	48	34	714
21	23	20	25	18	29	36	269
15	21	17	22	26	41	29	274
8	11	13	19	18	17	19	197
10	15	5	7	11	22	13	135
3	6	26	9	17	12	2	102
29	24	36	47	40	54	32	415
24	25	30	39	38	33	30	343
19	15	5	25	21	25	9	181
..	..	7	20	5	..	..	34
75	82	127	100	112	111	110	1,345
99	105	118	102	104	105	105	1,480
94	108	157	112	134	107	120	1,300
17	21	20	30	29	21	31	299
10	8	11	12	26	17	20	181
28	15	24	20	22	25	21	251
56	48	67	59	61	148	62	749
14	30	17	17	23	18	27	213
33	36	42	16	26	44	36	338
31	38	40	27	33	37	48	449

DEATHS REGISTERED IN THE TOWNS OF THE CENTRAL PROVINCES

Serial No.	Districts and towns		January	February	March	April	May
	B.—TOWNS—*concld.*						
	(19) Buldana District						
103	Buldana	..	10	7	10	17	14
104	Khamgaon	..	55	69	64	57	64
105	Malkapur	..	44	42	61	54	48
106	Shegaon	..	33	46	36	42	42
107	Jalgaon	..	27	24	19	16	21
108	Nandura	..	20	17	29	20	19
109	Chikhli	..	12	20	15	19	15
110	Mehkar	..	14	13	18	17	27
111	Deolgaon Raja	..	16	21	10	13	16
	Total of towns	..	4,697	4,133	4,551	4,166	5,074
	Ratio per mille	..	2.55	2.25	2·47	2·27	2·76
	Total for the province	..	40,850	34,307	40,982	37,652	44,534
	Ratio per mille for the province		2.46	2.07	2·47	2·27	2·68

AND BERAR DURING *EACH MONTH* OF THE YEAR 1939—*concld.*

June	July	August	September	October	November	December	Total deaths registered during the year
10	11	22	24	24	16	18	183
30	58	83	58	55	84	57	734
36	48	70	94	48	31	66	642
17	41	68	48	55	56	48	532
16	28	17	20	22	26	18	254
17	21	33	38	32	38	23	307
11	11	28	18	16	27	19	211
8	9	17	15	8	15	5	166
10	13	15	10	13	8	11	156
3,466	4,172	5,326	5,297	5,623	5,535	5,035	57,075
1·89	2·27	2.90	2.88	3.06	3.01	2.74	31.05
34,065	32,174	41,648	49,148	53,326	56,431	50,183	515,300
2·05	1·94	2.52	2.96	3.21	3.41	3.03	31.07

DEATHS REGISTERED ACCORDING TO AGE IN THE DISTRICTS (RURAL

Serial No.	Districts	Under one — Not exceeding one — Male			Female		
		Under one week	Over one week	Total	Under one week	Over one week	Total
	A.—RURAL DISTRICTS						
	Nagpur Division						
1	Nagpur ..	1,140	578	1,718	905	473	1,378
2	Wardha ..	807	457	1,282	685	332	1,017
3	Chanda ..	1,507	744	2,251	1,265	667	1,932
4	Chhindwara ..	1,007	772	1,779	857	684	1,541
5	Betul ..	614	399	1,013	505	334	839
	Jubbulpore Division						
6	Jubbulpore ..	1,325	765	2,090	1,142	661	1,803
7	Saugor ..	1,324	706	2,030	1,186	637	1,823
8	Mandla ..	315	283	598	233	245	478
9	Hoshangabad ..	1,350	716	2,066	1,142	644	1,786
10	Nimar ..	449	397	846	382	354	736
	Chhattisgarh Division						
11	Raipur ..	1,045	1,732	2,777	792	1,653	2,445
12	Bilaspur ..	856	2,039	2,895	707	1,633	2,340
13	Drug ..	578	1,235	1,813	504	1,117	1,621
14	Bhandara ..	1,479	806	2,285	1,167	684	1,851
15	Balaghat ..	780	416	1,196	686	352	1,038
	Berar Division						
16	Amraoti ..	1,279	723	2,002	949	555	1,504
17	Yeotmal ..	968	743	1,711	719	573	1,292
18	Akola ..	1,023	571	1,594	785	518	1,303
19	Buldana ..	844	586	1,430	554	454	1,008
	Total for rural areas	18,690	14,686	33,376	15,165	12,570	27,735
	Ratio per 1,000 living						

Information

ORM No. IV

IRCLES) OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

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Total	Over one month and not exceeding six months			Over six months and not exceeding twelve months		
	Male	Female	Total	Male	Female	Total
..	595	490	1,085	472	439	911
..	440	374	814	290	280	570
..	834	754	1,588	469	466	935
..	1,135	1,012	2,147	893	795	1,688
..	530	370	900	371	319	690
..	1,293	1,244	2,537	1,039	1,023	2,062
..	1,357	1,253	2,610	957	903	1,860
..	643	553	1,196	499	491	990
..	1,135	977	2,112	890	858	1,748
..	702	519	1,221	607	477	1,084
..	1,728	1,536	3,264	1,479	1,342	2,821
..	1,881	1,632	3,513	1,547	1,478	3,025
..	1,385	1,207	2,592	1,259	1,111	2,370
..	797	727	1,524	637	564	1,201
..	558	522	1,080	471	356	827
..	909	829	1,738	562	508	1,070
..	886	770	1,656	573	498	1,071
..	841	767	1,608	550	478	1 028
..	794	669	1,463	558	518	1,076
..	18,443	16,205	34,648	14,123	12,904	27,027

not available

12

DEATHS REGISTERED ACCORDING TO AGE IN THE DISTRICTS (RURAL CIRCLE

Serial No.	Districts	Under one year — Total — Male	Under one year — Total — Female	Under one year — Total — Total	One year and under five years — Male	One year and under five years — Femal
	A.—RURAL DISTRICTS *—contd.*					
	Nagpur Division					
1	Nagpur ..	2,785	2,307	5,092	1,686	1,535
2	Wardha ..	2,012	1,671	3,683	1,104	1,005
3	Chanda ..	3,554	3,152	6,706	2,428	2,207
4	Chhindwara ..	3,807	3,348	7,155	3,523	3,082
5	Betul ..	1,914	1,528	3,442	1,907	1,435
	Jubbulpore Division					
6	Jubbulpore ..	4,422	4,070	8,492	3,477	3,367
7	Saugor ..	4,344	3,979	8,323	4,078	3,684
8	Mandla ..	1,740	1,522	3,262	1,824	1,535
9	Hoshangabad ..	4,091	3,621	7,712	3,103	2,811
10	Nimar ..	2,155	1,732	3,887	1,667	1,284
	Chhattisgarh Division					
11	Raipur ..	5,984	5,323	11,307	4,432	3,818
12	Bilaspur ..	6,323	5,450	11,773	4,314	3,839
13	Drug ..	4,457	3,939	8,396	3,230	2,830
14	Bhandara ..	3,719	3,142	6,861	2,043	1,768
15	Balaghat ..	2,225	1,916	4,141	1,451	1,109
	Berar Divison					
16	Amraoti ..	3,473	2,841	6,314	2,222	1,896
17	Yeotmal ..	3,170	2,560	5,730	2,693	2,281
18	Akola ..	2,985	2,548	5,533	2,564	2,343
19	Buldana ..	2,782	2,195	4,977	2,151	2,072
	Total for rural areas ..	65,942	56,844	122,786	49,897	43,901
	Ratio per 1,000 living ..					Informatio

ORM No. IV

F THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

5 years and under 10 years		10 years and under 15 years		15 years and under 20 years		20 years and under 30 years	
Male	Female	Male	Female	Male	Female	Male	Female
541	448	209	253	222	259	579	716
355	278	157	122	166	194	387	472
555	516	237	200	232	236	521	812
849	807	397	323	342	332	978	1,186
364	276	141	134	151	142	447	536
858	792	410	353	339	294	924	988
1,062	895	532	366	560	527	1,500	1,311
398	339	193	158	153	164	400	520
837	805	410	330	373	395	959	1,050
425	332	175	150	193	208	575	631
952	797	483	395	464	476	1,220	1,294
1,134	926	621	450	641	646	1,392	1,501
601	531	336	240	315	277	697	738
484	405	260	227	243	222	651	811
477	351	256	180	276	211	635	691
576	498	293	283	298	379	623	987
772	657	329	311	307	365	711	996
580	589	245	241	267	420	716	985
599	572	287	319	302	426	654	829
12,419	10,814	5,971	5,035	5,844	6,173	14,569	17,054

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DEATHS REGISTERED ACCORDING TO AGE IN THE DISTRICTS (RURAL CIRCLES

Serial No.	Districts	30 years and under 40 years		40 years and under 50 years	
		Male	Female	Male	Female
	A.—RURAL DISTRICTS *—concld.*				
	Nagpur Division				
1	Nagpur ..	646	533	619	442
2	Wardha ..	403	380	434	347
3	Chanda ..	664	533	746	470
4	Chhindwara ..	1,218	1,081	1,280	897
5	Betul ..	508	462	618	430
	Jubbulpore Division				
6	Jubbulpore ..	996	901	1,054	826
7	Saugor ..	1,535	1,250	1,575	1,171
8	Mandla ..	495	439	592	432
9	Hoshangabad ..	1,034	941	1,250	864
10	Nimar ..	756	611	709	416
	Chhattisgarh Division				
11	Raipur ..	1,381	1,076	1,419	950
12	Bilaspur ..	1,399	1,183	1,382	1,092
13	Drug ..	780	692	868	679
14	Bhandara ..	662	595	688	472
15	Balaghat ..	660	490	662	426
	Berar Division				
16	Amraoti ..	726	764	753	580
17	Yeotmal ..	825	756	987	677
18	Akola ..	834	805	1,022	740
19	Buldana ..	708	644	792	571
	Total for rural areas ..	16,230	14,136	17,450	12,48[illegible]
	Ratio per 1,000 living ..				Informati[illegible]

OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*concld.*

50 years and under 60 years		60 years and upwards		Total of all ages	
Male	Female	Male	Female	Male	Female
778	613	1,897	1,815	9,962	8,921
583	502	1,481	1,316	7,082	6,287
830	593	1,898	1,722	11,665	10,441
1,451	1,121	2,624	2,857	16,479	15,034
559	487	1,039	1,011	7,648	6,441
1,032	950	1,299	1,512	14,811	14,053
1,578	1,484	2,023	2,093	18,787	16,760
648	541	892	966	7,335	6,616
1,206	997	1,779	1,789	15,042	13,603
664	399	1,047	906	8,366	6,669
1,402	1,190	2,645	3,220	20,382	18,539
1,453	1,308	2,285	2,493	20,944	18,888
953	823	1,766	2,394	14,003	13,143
698	568	2,081	2,147	11,529	10,357
597	457	1,467	1,624	8,706	7,455
882	732	2,252	1,970	12,098	10,930
1,015	774	2,418	2,199	13,227	11,576
1,052	816	2,080	1,935	12,345	11,422
862	691	1,654	1,569	10,791	9,888
18,243	15,046	34,637	35,538	241,202	217,023

not available

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns	Under — Not exceeding — Male			Female		
		Under one week	Over one week	Total	Under one week	Over one week	Total
	B.—TOWNS						
	(1) Nagpur District						
1	Nagpur ..	579	149	728	385	124	509
2	Kamptee ..	29	11	40	29	8	37
3	Umrer ..	38	6	44	38	11	49
4	Katol ..	21	14	35	12	11	23
5	Ramtek ..	18	9	27	15	8	23
6	Khapa ..	10	2	12	15	5	20
7	Narkhed ..	7	7	14	14	4	18
8	Saoner ..	12	4	16	4	5	9
9	Kalmeshwar ..	16	3	19	5	10	15
10	Mowar ..	15	6	21	12	6	18
11	Kelod ..	12	5	17	9	1	10
12	Mohpa ..	10	3	13	10	2	12
	(2) Wardha District						
13	Wardha ..	33	9	42	29	13	42
14	Hinganghat ..	55	19	74	35	14	49
15	Arvi ..	27	11	38	22	5	27
16	Pulgaon ..	21	7	28	8	4	12
17	Deoli ..	10	6	16	10	3	13
18	Ashti ..	10	6	16	3	2	5
19	Sindi ..	9	3	12	8	..	8
	(3) Chanda District						
20	Chanda ..	62	17	79	65	20	85
21	Warora ..	17	9	26	15	4	19
22	Armori ..	21	7	28	14	15	29
23	Nawargaon ..	6	2	8	6	2	8
24	Brahmapuri ..	21	8	29	16	5	21
25	Chimur ..	12	4	16	14	2	16
25-A	Ballarpur ..	15	4	19	9	3	12
	(4) Chhindwara District						
26	Chhindwara ..	19	11	30	21	7	28
27	Pandhurna ..	20	8	28	17	10	27
28	Sausar ..	11	6	17	1	5	6
29	Seoni ..	27	14	41	5	11	16
	(5) Betul District						
30	Betul .	11	9	20	10	9	1[illegible]
31	Betul Bazar .	7	4	11	10	3	13

ɔRM No. IV

F THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

e year						
e month	Over one month and not exceeding six months			Over six months and not exceeding twelve months		
Total	Male	Female	Total	Male	Female	Total
1,237	419	225	644	276	406	682
77	25	22	47	19	29	48
93	21	18	39	24	23	47
58	8	7	15	6	5	11
50	12	9	21	5	8	13
32	13	7	20	5	12	17
32	4	4	8	4	5	9
25	7	1	8	8	7	15
34	7	2	9	6	5	11
39	3	5	8	3	7	10
27	4	4	8	1	4	5
25	5	2	7	6	6	12
84	28	13	41	23	20	43
123	26	28	54	34	22	56
65	21	14	35	18	14	32
40	3	6	9	8	4	12
29	12	2	14	4	5	9
21	1	7	8	3	3	6
20	3	..	3	2	2	4
164	28	35	63	20	21	41
45	7	10	17	13	6	19
57	2	3	5	2	2	4
16	4	6	10	1	1	2
50	7	5	12	6	7	13
32	6	7	13	2	1	3
31	4	11	15	5	3	8
58	20	19	39	21	15	36
55	9	16	25	14	17	31
23	2	6	8	8	8	16
57	22	20	42	22	27	49
39	13	12	25	11	10	21
24	2	7	9	3	3	6

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns	Under one year—*concld.*			One year and under 5 years	
		Total				
		Male	Female	Total	Male	Female
	B.—TOWNS—*contd.*					
	(1) Nagpur District					
1	Nagpur ..	1,423	1,140	2 563	1,078	867
2	Kamptee ..	84	88	172	60	81
3	Umrer ..	89	90	179	55	58
4	Katol ..	49	35	84	19	25
5	Ramtek ..	44	40	84	26	23
6	Khapa ..	30	39	69	20	23
7	Narkhed ..	22	28	50	26	22
8	Saoner ..	31	16	47	18	15
9	Kalmeshwar ..	32	22	54	17	15
10	Mowar ..	27	30	57	10	13
11	Kelod ..	22	18	40	17	17
12	Mohpa ..	24	20	44	10	13
	(2) Wardha District					
13	Wardha ..	93	75	168	58	50
14	Hinganghat ..	134	99	233	62	69
15	Arvi ..	77	55	132	33	29
16	Pulgaon ..	39	22	61	6	9
17	Deoli ..	32	20	52	8	14
18	Ashti ..	20	15	35	9	7
19	Sindi ..	17	10	27	9	8
	(3) Chanda District					
20	Chanda ..	127	141	268	73	92
21	Warora ..	46	35	81	23	25
22	Armori ..	32	34	66	19	18
23	Nawargaon ..	13	15	28	10	6
24	Brahmapuri ..	42	33	75	21	19
25	Chimur ..	24	24	48	13	10
25A	Ballarpur ..	28	26	54	22	15
	(4) Chhindwara District					
26	Chhindwara ..	71	62	133	63	48
27	Pandhurna ..	51	60	111	49	42
28	Sausar ..	27	20	47	26	14
29	Seoni ..	85	63	148	43	47
	(5) Betul District					
30	Betul ..	44	41	85	23	30
31	Betul Bazar ..	16	23	39	12	18

F THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd*.

5 years and under 10 years		10 years and under 15 years		15 years and under 20 years		20 years and under 30 years	
Male	Female	Male	Female	Male	Female	Male	Female
154	163	104	136	178	277	399	640
15	14	6	16	8	19	14	28
9	13	3	2	16	19	21	17
5	4	2	2	3	7	13	10
7	6	3	5	2	8	7	17
6	8	3	3	3	6	7	7
7	3	1	1	1	3	4	11
4	3	1	2	5	6	5	20
5	4	3	2	4	..	7	4
3	3	2	1	..	3	5	7
6	5	3	1	3	3	5	9
1	2	3	1	1	3	7	4
9	7	10	12	13	17	34	51
14	15	9	10	15	18	26	27
12	6	4	3	11	10	13	19
3	..	1	1	2	4	6	7
4	..	1	4	4	3	5	4
1	3	2	1	3	5	7	5
2	1	2	1	4	3	4	7
20	14	11	13	18	19	39	44
5	8	2	1	..	4	1	14
6	5	3	1	2	3	9	14
3	3	2	1	..	4	3	5
2	1	4	2	..	3	6	7
3	2	2	2	1	2	2	4
10	2	5	4	2	5	7	17
14	11	13	17	10	15	29	35
8	14	7	6	3	7	11	25
18	8	4	3	3	2	12	11
13	18	9	6	7	12	21	28
9	11	6	6	3	10	19	11
2	3	2	..	3	4	7	8

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns	30 years and under 40 years		40 years and under 50 years	
		Male	Female	Male	Female
	B.—TOWNS—*contd*				
	(1) Nagpur District				
1	Nagpur ..	325	300	370	197
2	Kamptee ..	16	18	21	11
3	Umrer ..	27	7	16	11
4	Katol ..	7	8	16	9
5	Ramtek ..	9	8	15	5
6	Khapa ..	14	10	5	6
7	Narkhed ..	6	10	4	6
8	Saoner ..	7	5	18	2
9	Kalmeshwar ..	6	2	3	5
10	Mowar ..	3	5	8	4
11	Kelod ..	6	4	4	4
12	Mohpa ..	3	3	2	5
	(2) Wardha District				
13	Wardha ..	28	25	31	11
14	Hinganghat ..	19	13	20	21
15	Arvi ..	21	18	16	10
16	Pulgaon ..	3	3	4	3
17	Deoli ..	3	3	5	4
18	Ashti ..	7	5	5	4
19	Sindi ..	6	4	6	3
	(3) Chanda District				
20	Chanda ..	34	17	43	26
21	Warora ..	7	13	9	5
22	Armori ..	8	3	6	4
23	Nawargaon ..	3	1	5	3
24	Brahmapuri ..	3	7	5	1
25	Chimur ..	8	1	4	1
25A	Ballarpur ..	9	6	13	5
	(4) Chhindwara District				
26	Chhindwara ..	27	19	31	20
27	Pandhurna ..	4	13	11	10
28	Sausar ..	6	6	9	4
29	Seoni ..	22	18	26	11
	(5) Betul District				
30	Betul ..	16	14	14	6
31	Betul Bazar ..	6	7	6	6

F THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

50 years and under 60 years		60 years and upwards		Total of all ages	
Male	Female	Male	Female	Male	Female
368	201	530	712	4,932	4.640
19	12	70	59	313	346
19	20	53	70	305	310
20	13	36	30	170	143
15	7	23	32	151	151
7	6	21	28	116	136
2	2	26	26	99	112
5	5	23	25	117	99
5	6	9	14	91	74
2	6	16	8	76	80
15	6	17	18	98	85
7	2	23	19	81	72
38	21	51	67	365	336
23	23	63	72	385	367
20	12	47	48	254	210
4	3	17	5	85	57
9	1	22	26	93	79
10	5	20	18	84	68
5	5	20	16	75	58
31	19	118	99	513	484
16	4	26	29	135	138
5	9	16	15	106	106
4	6	17	10	61	54
11	5	15	12	109	90
3	2	17	29	77	77
9	3	21	13	126	96
27	15	43	46	328	288
15	9	45	50	204	234
5	5	13	17	113	92
24	11	56	55	306	269
15	11	26	26	175	165
2	2	15	18	71	90

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns	Under one year — Not exceeding one month — Male: Under one week	Male: Over one week	Male: Total	Female: Under one week	Female: Over one week	Female: Total
	B.—TOWNS—*contd.*						
	(6) Jubbulpore District						
32	Jubbulpore	292	81	373	235	72	307
33	Jubbulpore Cantonment	2	1	3	5	1	6
34	Murwara	38	16	54	21	10	31
35	Sehora	21	9	30	9	8	17
	(7) Saugor District						
36	Saugor	103	41	144	77	38	115
37	Saugor Cantonment	6	10	16	9	6	15
38	Etawah	3	5	8	5	2	7
39	Khurai	6	4	18	5	2	7
40	Garhakota	8	5	13	2	6	8
41	Deori	7	3	10	1	7	8
42	Damoh	46	15	61	36	13	49
	(8) Mandla District						
43	Mandla	7	7	14	13	8	21
	(9) Hoshangabad District						
44	Hoshangabad	24	11	35	30	2	32
45	Harda	33	25	58	21	26	47
46	Sohagpur	16	10	26	8	8	16
47	Itarsi	11	9	20	15	7	22
48	Seoni-Malwa	8	6	14	8	2	10
49	Pachmarhi	3	5	8	3	2	5
50	Piparia	4	6	10	5	2	7
51	Narsinghpur	21	13	34	7	8	15
52	Gadarwara	18	9	27	7	8	15
53	Chhota-Chhindwara	13	4	17	7	2	9
54	Kareliganj	5	1	6	1		1
	(10) Nimar District						
55	Khandwa	67	21	88	39	24	63
56	Burhanpur	70	30	100	51	24	75
	(11) Raipur District						
57	Raipur	55	39	94	43	44	87
58	Dhamtari	10	16	26	6	15	21
59	Arang	10	8	18	7	7	14
60	Bhatapara	7	5	12	5	4	9

RM No. IV

THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

year						
nth	Over one month and not exceeding six months			Over six months and not exceeding twelve months		
Total	Male	Female	Total	Male	Female	Total
680	260	218	478	283	235	518
9	5	4	9	5	3	8
85	51	42	93	57	39	96
47	8	6	14	11	8	19
259	93	98	191	85	97	182
31	17	12	29	7	7	14
15	14	16	30	13	12	25
17	12	6	18	15	17	32
21	24	10	34	12	4	16
18	7	4	11	4	7	11
110	46	41	87	56	48	104
35	14	14	28	19	21	40
67	24	23	47	14	14	28
105	36	28	64	21	25	46
42	14	9	23	10	13	23
42	7	8	15	9	9	18
24	5	7	12	7	3	10
13	2	3	5	7	4	11
17	5	4	9	6	6	12
49	11	12	23	15	9	24
42	6	10	16	17	11	28
26	6	9	15	8	6	14
7	1	1	2	2	..	2
151	69	59	128	63	54	117
175	64	60	124	56	56	112
181	60	46	106	43	48	91
47	15	11	26	6	8	14
32	3	7	10	9	4	13
21	16	11	27	13	10	23

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns	Under one year—*concld.* Total			One year and under 5 years	
		Male	Female	Total	Male	Female
	B.—TOWNS—*contd.*					
	(6) Jubbulpore District					
32	Jubbulpore ..	916	760	1,676	452	406
33	Jubbulpore Cantonment ..	13	13	26	12	7
34	Murwara ..	162	112	274	109	111
35	Sehora ..	49	31	80	19	23
	(7) Saugor District					
36	Saugor ..	322	310	632	208	202
37	Saugor Cantonment ..	40	34	74	36	36
38	Etawah ..	35	35	70	38	41
39	Khurai ..	37	30	67	41	47
40	Garhakota ..	49	22	71	34	43
41	Deori ..	21	19	40	21	22
42	Damoh ..	163	138	301	64	61
	(8) Mandla District					
43	Mandla ..	47	56	103	40	36
	(9) Hoshangabad District					
44	Hoshangabad ..	73	69	142	39	31
45	Harda ..	115	100	215	83	87
46	Sohagpur ..	50	38	88	22	30
47	Itarsi ..	36	39	75	26	15
48	Seoni-Malwa ..	26	20	46	18	14
49	Pachmarhi ..	17	12	29	6	16
50	Piparia ..	21	17	38	8	11
51	Narsinghpur ..	60	36	96	40	49
52	Gadarwara ..	50	36	86	43	36
53	Chhota-Chhindwara ..	31	24	55	21	31
54	Kareliganj ..	9	2	11	1	7
	(10) Nimar District					
55	Khandwa ..	220	176	396	143	101
56	Burhanpur ..	220	191	411	136	141
	(11) Raipur District					
57	Raipur ..	197	181	378	104	89
58	Dhamtari ..	47	40	87	16	17
59	Arang ..	26	27	53	14	9
60	Bhatapara ..	45	28	73	22	22

[T]HE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

[5] years and under 10 years		10 years and under 15 years		15 years and under 20 years		20 years and under 30 years	
Male	Female	Male	Female	Male	Female	Male	Female
88	80	51	46	53	114	182	237
2	..	..	2	4	3	2	8
19	16	11	15	10	15	24	42
7	4	7	3	2	1	7	11
36	38	26	40	16	56	51	106
7	7	5	2	6	14	13	17
1	3	6	3	3	2	9	11
17	9	6	4	3	5	8	3
3	10	7	12	5	6	19	14
7	5	5	4	7	3	5	14
17	24	15	18	18	24	34	37
7	11	5	3	7	6	15	23
5	11	7	4	5	13	6	19
12	15	2	8	8	20	20	33
5	8	6	5	4	9	10	7
5	6	2	7	2	4	23	19
8	8	4	7	2	2	10	7
4	1	1	2	..	3	6	14
3	3	2	1	3	7	..	4
12	21	6	8	5	11	10	14
7	12	4	10	4	4	10	16
1	3	3	2	3	4	2	6
1	1	..	1	..	2	1	..
19	18	17	13	25	54	71	80
16	25	19	17	15	48	43	98
26	14	14	9	26	34	56	47
10	7	3	2	10	2	15	6
3	7	3	3	2	7	4	8
8	6	8	1	1	5	9	9

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns		30 years and under 40 years Male	30 years and under 40 years Female	40 years and under 50 years Male	40 years and under 50 years Female
	B.—TOWNS—*contd.*					
	(6) Jubbulpore District					
32	Jubbulpore	..	172	115	137	98
33	Jubbulpore Cantonment	..	4	..	7	5
34	Murwara	..	31	31	21	28
35	Sehora	..	10	8	10	4
	(7) Saugor District					
36	Saugor	..	62	68	42	35
37	Saugor Cantonment	..	7	10	9	6
38	Etawah	..	8	2	7	7
39	Khurai	..	5	10	13	5
40	Garhakota	..	10	11	10	7
41	Deori	..	6	9	8	4
42	Damoh	..	27	26	18	9
	(8) Mandla District					
43	Mandla	..	10	17	24	12
	(9) Hoshangabad District					
44	Hoshangabad	..	14	6	18	11
45	Harda	..	23	21	17	13
46	Sohagpur	..	11	8	7	3
47	Itarsi	..	11	6	15	3
48	Seoni-Malwa	..	7	7	5	4
49	Pachmarhi	..	4	6	10	1
50	Piparia	..	2	2	5	2
51	Narsinghpur	..	14	15	18	4
52	Gadarwara	..	11	5	10	10
53	Chhota Chhindwara	..	10	10	11	3
54	Kareliganj	..	1	..	..	3
	(10) Nimar District					
55	Khandwa	..	43	42	68	20
56	Burhanpur	..	61	40	62	34
	(11) Raipur District					
57	Raipur	..	68	58	62	34
58	Dhamtari	..	12	4	16	11
59	Arang	..	7	9	5	5
60	Bhatapara	..	8	4	12	7

OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

50 years and under 60 years		60 years and upwards		Total of all ages	
Male	Female	Male	Female	Male	Female
143	69	249	233	2,443	2,158
4	2	12	12	60	52
28	29	38	46	453	445
10	4	13	14	134	103
84	62	136	136	983	1,043
6	12	26	21	155	159
5	6	14	16	126	126
11	5	20	27	161	145
12	9	19	20	168	154
7	4	9	9	96	93
16	21	31	32	403	400
21	13	20	36	196	213
17	14	32	44	216	222
28	21	44	44	352	362
10	3	14	19	139	130
14	7	13	21	147	127
7	8	14	19	101	96
6	4	8	14	62	73
3	3	3	2	50	52
15	14	23	36	205	210
11	7	23	27	174	169
2	3	13	9	94	87
2	..	2	1	17	17
46	34	80	75	732	613
62	45	113	92	747	733
29	17	98	137	680	620
8	9	24	39	161	138
2	2	18	19	89	92
10	6	22	19	140	111

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns	Male: Under one week	Male: Over one week	Male: Total	Female: Under one week	Female: Over one week	Female: Total
		Not exceeding o[ne month]					
	B.—TOWNS—*contd.*						
	(12) Bilaspur District						
61	Bilaspur ..	30	49	79	17	38	55
62	Mungeli ..	3	3	6	2	6	8
63	Champa ..	5	12	17	4	15	19
	(13) Drug District						
64	Drug ..	22	19	41	15	18	33
	(14) Bhandara Diatrict						
65	Bhandara ..	16	18	34	8	11	19
66	Gondia ..	23	11	34	23	5	28
67	Paoni ..	25	14	39	15	9	24
68	Tumsar ..	14	10	24	6	6	12
	(15) Balaghat District						
69	Balaghat ..	3	5	8	2	1	3
	(16) Amraoti District						
70	Amraoti City ..	56	31	87	67	21	88
71	Amraoti Camp ..	10	8	18	13	7	20
72	Ellichpur ..	39	24	63	23	11	34
73	Badnera ..	14	9	23	17	7	24
74	Anjangaon ..	18	14	32	9	16	25
75	Dattapur ..	5	6	11	6	4	10
76	Paratwada (Ellichpur Camp) ..	13	6	19	13	11	24
77	Morsi ..	7	2	9	10	5	15
78	Warud ..	15	5	20	12	8	20
79	Karajgaon ..	9	5	14	3	8	11
80	Sirasgaon ..	7	4	11	9	7	16
81	Daryapur ..	6	6	12	13	4	17
82	ChandurBazar ..	7	6	13	7	2	9
83	Pathrot ..	12	7	19	7	4	11
	(17) Yeotmal District						
84	Yeotmal ..	31	18	49	31	11	42
85	Digras ..	13	3	16	7	2	9
86	Pusad ..	13	9	22	4	5	9
87	Darwha ..	10	6	16	11	7	18
88	Wun ..	22	7	29	18	7	25
89	Umarkhed ..	14	5	19	8	7	15
90	Pandharkaoda ..	10	1	11	10	4	14
91	Ghatanji ..	4	..	4	4	..	4

THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

year						
th						
otal	Over one month and not exceeding six months			Over six months and not exceeding twelve months		
	Male	Female	Total	Male	Female	Total
134	25	26	51	23	40	63
14	8	9	17	5	5	10
36	12	11	23	18	14	32
74	16	17	33	25	30	55
53	24	15	39	18	19	37
62	15	15	30	18	18	36
63	12	9	21	9	16	19
36	5	4	9	13	13	26
11	2	5	7	3	1	4
175	73	54	127	64	57	121
38	15	21	36	6	5	11
97	44	36	80	21	27	48
47	21	13	34	7	6	13
57	15	16	31	6	6	12
21	4	1	5	2	..	2
43	10	7	17	5	..	5
24	6	10	16	..	1	1
40	10	13	23	2	8	10
25	3	12	15	1	1	2
27	11	11	22	3	3	6
29	12	5	17	6	14	20
22	5	5	10	3	2	5
30	9	10	19	..	1	1
91	25	27	52	19	25	44
25	12	2	14	3	4	7
31	7	5	12	4	6	10
34	12	13	25	9	5	14
54	10	10	20	11	13	24
34	6	6	12	9	6	15
25	6	4	10	9	6	15
8	3	3	6	2	1	3

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS OF

Serial No.	Districts and towns	Under one year—*concld.* Total			One year and under 5 years	
		Male	Female	Total	Male	Female
	B.—TOWNS—*contd.*					
	(12) Bilaspur District					
61	Bilaspur ..	127	123	250	76	45
62	Mungeli ..	21	22	43	22	18
63	Champa ..	45	42	87	32	14
	(13) Drug District					
64	Drug ..	82	80	162	37	37
	(14) Bhandara District					
65	Bhandara ..	76	53	129	45	43
66	Gondia ..	67	61	128	31	25
67	Paoni ..	60	43	103	22	30
68	Tumsar ..	42	29	71	20	18
	(15) Balaghat District					
69	Balaghat ..	13	9	22	12	6
	(16) Amraoti District					
70	Amraoti City ..	224	199	423	120	125
71	Amraoti Camp ..	39	46	85	21	25
72	Ellichpur ..	128	97	225	80	59
73	Badnera ..	51	43	94	33	22
74	Anjangaon ..	53	47	100	35	34
75	Dattapur ..	17	11	28	4	1
76	Paratwada (Ellichpur Camp) ..	34	31	65	18	13
77	Morsi ..	15	26	41	11	7
78	Warud ..	32	41	73	17	16
79	Karajgaon ..	18	24	42	26	15
80	Sirasgaon ..	25	30	55	18	14
81	Daryapur ..	30	36	66	34	25
82	Chandur Bazar ..	21	16	37	19	5
83	Pathrot ..	28	22	50	11	11
	(17) Yeotmal District					
84	Yeotmal ..	93	94	187	52	52
85	Digras ..	31	15	46	14	14
86	Pusad ..	33	20	53	30	27
87	Darwah ..	37	36	73	22	25
88	Wun ..	50	48	98	34	28
89	Umarkhed ..	34	27	61	16	14
90	Pandharkaoda ..	26	23	49	18	13
91	Ghatanji ..	9	9	18	10	11

THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

5 years and under 10 years		10 years and under 15 years		15 years and under 20 years		20 years and under 30 years	
Male	Female	Male	Female	Male	Female	Male	Female
19	8	7	16	19	19	24	33
4	6	1	1	6	1	8	5
12	2	6	3	5	16	9	14
12	12	5	4	5	9	9	15
12	6	5	12	8	12	11	20
7	4	6	3	5	5	19	23
7	11	2	6	4	2	7	16
2	3	4	3	2	8	13	18
5	4	6	9	5	4	8	4
34	34	13	24	24	42	60	103
5	4	5	2	17	5	27	26
14	17	10	8	6	11	21	51
9	10	4	5	7	10	11	25
8	10	12	7	6	6	9	13
1	1	2	1	..	4	7	5
..	9	6	4	3	8	11	16
8	2	3	1	5	8	5	7
3	1	1	..	3	3	5	14
4	3	..	4	1	3	7	10
4	4	..	2	2	7	5	9
8	6	5	3	6	8	16	15
1	4	2	1	2	3	4	14
3	1	1	2	3	3	6	10
18	26	10	7	17	21	31	40
4	3	5	4	7	7	3	8
3	8	4	5	7	9	10	9
2	11	3	2	2	5	4	8
11	9	5	2	6	7	12	13
3	4	2	1	1	8	12	4
6	5	..	3	1	..	4	9
2	2	3	3	1	1	2	3

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWNS

Serial No.	Districts and towns	30 years and under 40 years		40 years and under 50 years	
		Male	Female	Male	Female
	B.—TOWNS—*contd.*				
	(12) Bilaspur District				
61	Bilaspur ..	28	21	29	12
62	Mungeli ..	18	2	16	3
63	Champa ..	11	18	16	12
	(13) Drug District				
64	Drug ..	8	13	13	10
	(14) Bhandara District				
65	Bhandara ..	19	15	17	17
66	Gondia ..	31	18	21	15
67	Paoni ..	6	7	7	4
68	Tumsar ..	5	4	10	2
	(15) Balaghat District				
69	Balaghat ..	11	5	13	5
	(16) Amraoti District				
70	Amraoti City ..	37	62	52	51
71	Amraoti Camp ..	26	10	33	5
72	Ellichpur ..	19	35	21	16
73	Badnera ..	20	8	15	6
74	Anjangaon ..	14	21	17	12
75	Dattapur ..	1	6	3	2
76	Paratwada ..	14	12	6	8
77	Morsi ..	8	7	8	6
78	Warud ..	4	4	4	2
79	Karajgaon ..	7	8	7	3
80	Sirasgaon ..	7	6	5	..
81	Daryapur ..	6	6	4	5
82	Chandur Bazar ..	10	6	5	5
83	Pathrot ..	4	8	3	5
	(17) Yeotmal District				
84	Yeotmal ..	24	26	35	21
85	Digras ..	12	3	10	6
86	Pusad ..	8	9	9	3
87	Darwah ..	8	9	7	3
88	Wun ..	7	9	12	6
89	Umerkhed ..	8	6	6	6
90	Pandarkaora ..	9	3	8	3
91	Ghatanji ..	1	2	8	4

OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd*

50 years and under 60 years		60 years and upwards		Total of all ages	
Male	Female	Male	Female	Male	Female
32	24	45	41	406	343
8	4	22	26	127	86
21	11	22	27	178	160
17	14	29	38	217	232
20	15	41	50	259	249
16	9	23	36	226	199
8	6	28	35	152	158
11	8	26	18	129	107
13	4	16	14	102	64
58	23	155	122	777	785
27	10	34	18	234	151
36	22	69	84	404	400
27	8	23	16	200	153
12	10	42	53	208	213
8	4	11	10	54	45
13	4	24	31	129	136
6	3	37	32	106	99
6	6	26	16	101	103
4	5	29	20	103	95
4	8	21	18	91	98
8	4	31	28	148	136
10	4	12	15	86	73
7	5	14	17	80	84
42	27	64	58	386	372
9	8	15	20	110	88
16	6	17	18	137	113
8	5	25	28	118	130
7	5	26	31	170	159
10	5	16	14	108	89
5	4	15	11	92	74
3	4	12	11	51	50

DEATHS REGISTERED ACCORDING TO AGE IN THE TOW[NS] OF

Serial No.	Districts and towns		Not exceeding [one month]					
			Male			Female		
			Under one week	Over one week	Total	Under one week	Over One week	Total
	B.—TOWNS—*contd.*							
	(18) Akola District							
92	Akola	..	74	57	131	59	32	91
93	Akot	..	24	13	37	14	3	17
94	Karanja	..	17	11	28	17	8	25
95	Basim	..	23	16	39	23	3	2[illegible]
96	Balapur	..	11	3	14	4	7	11
97	Murtizapur	..	15	7	22	19	7	2[illegible]
98	Hiwarkhed	..	6	6	12	5	6	11
99	Patur	..	4	3	7	..	2	[illegible]
100	Wadegaon	..	13	9	22	5	7	12
101	Mangrul Pir	..	6	4	10	3	7	1[illegible]
102	Barsi Takli	..	5	1	6	2	3	5
	(19) Buldana District							
103	Buldana	..	7	3	10	6	3	[illegible]
104	Khamgaon	..	35	17	52	22	16	38
105	Malkapur	..	27	17	44	20	16	3[illegible]
106	Shegaon	..	13	16	29	11	9	2[illegible]
107	Jalgaon	..	13	3	16	8	6	14
108	Nandura	..	12	11	23	7	12	19
109	Chikhli	..	6	6	12	4	4	[illegible]
110	Mehkar	..	2	9	11	1	5	6
111	Deolgaon Raja	..	5	5	10	4	5	9
	Total for towns	..	2,889	1,338	4,227	2,175	1,118	3,29[illegible]
	Ratio per mille for the towns	..	Information not available.					
	Total for the Province	..	21,579	16,024	37,603	17,340	13,688	31,0[illegible]
	Population	..	..	..	..	..	..	..
	Ratio for 1,000 living	..	..	..	..	..	..	..

THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

nth	one year					
	Over one month and not exceeding six months			Over six months and not exceeding twelve months		
Total	Male	Female	Total	Male	Female	Total
222	98	79	177	66	41	107
54	19	17	36	19	13	32
53	13	13	26	11	4	15
65	23	10	33	11	14	25
25	5	8	13	10	6	16
48	11	11	22	10	6	16
23	12	9	21	5	5	10
9	7	4	11	2	3	5
34	4	10	14	10	4	14
20	7	8	15	..	3	3
11	9	9	18	6	..	6
19	7	6	13	7	6	13
90	39	38	77	24	22	46
80	20	11	31	30	22	52
49	38	23	61	11	16	27
30	11	9	20	3	5	8
42	14	6	20	5	5	10
20	13	10	23	9	5	14
17	7	6	13	3	4	7
19	9	7	16	7	6	13
7,520	2,447	2,001	4,448	2,029	2,023	4,052
			Information not available			
68,631	20,890	18,206	39,096	16,152	14,927	31,079
..	..	..	..	..	..	..
..	..	..	..	..	..	..

15

DEATHS REGISTERED ACCORDING TO AGE IN THE TOWN

Serial No.	Districts and towns	Under one year—*concld.* Total			One year and under 5 years	
		Male	Female	Total	Male	Female
	B.—TOWNS—*contd.*					
	(18) Akola District					
92	Akola ..	295	211	506	156	[illegible]
93	Akot ..	75	47	122	64	[illegible]
94	Karanja ..	52	42	94	35	[illegible]
95	Basim ..	73	50	123	51	[illegible]
96	Balapur ..	29	25	54	16	[illegible]
97	Murtizapur ..	43	43	86	24	[illegible]
98	Hiwarkhed ..	29	25	54	18	[illegible]
99	Patur ..	16	9	25	18	[illegible]
100	Wadegaon ..	36	26	62	21	[illegible]
101	Mangrul Pir ..	17	21	38	13	[illegible]
102	Barsi Takli ..	21	14	35	14	[illegible]
	(19) Buldana District					
103	Buldana ..	24	21	45	17	[illegible]
104	Khamgaon ..	115	98	213	64	[illegible]
105	Malkapur ..	94	69	163	66	[illegible]
106	Shegaon ..	78	59	137	48	[illegible]
107	Jalgaon ..	30	28	58	23	[illegible]
108	Nandura ..	42	30	72	23	[illegible]
109	Chikhli ..	34	23	57	21	[illegible]
110	Mehkar ..	21	16	37	20	[illegible]
111	Deolgaon Raja ..	26	22	48	14	[illegible]
	Total for towns ..	8,703	7,317	16,020	5,420	5,02[illegible]
	Ratio per mille for the towns ..	Information not available.				
	Total for the Province ..	74,645	64,161	138,806	55,317	48,9[illegible]
	Population ..	265,524	270,607	536,131	908,757	950,[illegible]
	Ratio per 1,000 living ..	..	..	..	60.87	51.[illegible]

OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

5 years and under 10 years		10 years and under 15 years		15 years and under 20 years		20 years and under 30 years	
Male	Female	Male	Female	Male	Female	Male	Female
24	31	19	17	16	55	65	110
14	15	9	6	9	18	20	26
8	9	7	3	5	11	9	24
9	11	3	9	5	13	13	33
1	6	..	4	4	6	2	15
3	3	2	3	4	8	7	14
4	9	1	4	1	3	10	23
3	4	5	2	5	3	5	7
7	8	..	3	1	..	3	3
4	8	..	2	..	1	2	8
1	4	2	..	2	4	2	12
3	4	4	7	5	3	9	11
15	12	9	10	7	15	31	42
10	17	8	8	11	21	19	24
10	13	3	4	3	10	14	23
8	11	3	2	3	4	7	21
4	15	4	6	8	9	9	19
11	8	1	2	3	4	7	10
3	2	3	4	3	4	6	9
1	1	3	..	1	2	4	4
1,100	1,154	702	762	859	1,431	2,044	3,025
Information not available.							
13,519	11,968	6,673	5,797	6,703	7,604	16,613	20,079
986,460	949,189	892,703	841,653	675,659	706,686	1,360,352	1,382,444
13.70	12.61	7.48	6.89	9.92	10.76	12.21	14.52

DEATHS REGISTERED ACCORDING TO AGE IN THE TOW

Serial No.	Districts and towns	30 years and under 40 years		40 years and under 50 years	
		Male	Female	Male	Female
	B.—TOWNS—*contd.*				
	(18) Akola District				
92	Akola ..	87	62	88	54
93	Akot ..	27	18	28	10
94	Karanja ..	11	14	18	11
95	Basim ..	11	6	13	3
96	Balapur ..	6	7	7	5
97	Murtizapur ..	9	8	9	5
98	Hiwarkhed ..	6	4	13	7
99	Patur ..	10	9	6	5
100	Wadegaon ..	3	9	3	7
101	Mangrul Pir ..	5	9	7	6
102	Barsi Takli ..	5	5	6	4
	(19) Buldana District				
103	Buldana ..	2	9	4	4
104	Khamgaon ..	28	22	26	18
105	Malkapur ..	24	26	29	15
106	Shegaon ..	27	24	17	15
107	Jalgaon ..	10	6	12	2
108	Nandura ..	10	15	6	13
109	Chikhli ..	4	4	5	10
110	Mehkar ..	7	5	4	4
111	Deolgaon Raja ..	3	1	3	2
	Total for towns ..	2,014	1,759	2,122	1,272
	Ratio per mille for the towns ..	Information not available			
	Total for the Province ..	18,244	15,895	19,572	13,754
	Population ..	1,067,818	1,039,652	765,142	714,439
	Ratio for 1,000 living ..	17.09	15.29	25.58	19.25

FORM No. IV

OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*concld.*

50 years and under 60 years		60 years and upwards		Total of all ages	
Male	Female	Male	Female	Male	Female
74	44	123	107	947	873
37	34	55	59	338	301
21	16	59	30	225	195
17	14	33	36	228	216
6	6	30	17	101	108
11	6	22	21	134	126
6	9	25	23	113	118
14	7	24	18	106	72
8	4	19	17	101	95
11	5	9	17	68	89
7	4	17	18	77	79
7	6	13	7	88	95
19	26	48	55	363	371
13	11	41	45	314	328
24	16	46	47	271	261
14	7	20	19	131	123
14	11	25	29	144	163
5	11	16	12	106	105
7	2	11	17	85	81
4	5	21	22	80	76
2,170	1,409	4,273	4,513	29,407	27,668
Information not available.					
20,413	16,455	38,910	40,051	270,609	244,691
447,100	430,661	305,627	359,213	7,671,142	7,651,938
45.66	38.21	127.31	111.50	35.28	31.98

INFANTILE DEATHS ACCORDING TO COMMUNITIES IN THE DISTRICTS OF

District		Mortality under					
		Hindus		Mohammedans		Christians	
		Number	Ratio per 1,000 of births	Number	Ratio per 1,000 of births	Number	Ratio per 1,000 of births
Nagpur	..	7,666	231.86	306	160.21	18	77.92
Wardha	..	4,283	238.54	98	164.70	..	..
Chanda	..	6,396	212.85	84	181.43	8	163.27
Chhindwara	..	3,606	218.70	288	197.80	12	292.68
Betul	..	2,203	240.40	41	151.85	2	95.24
Jubbulpore	..	7,631	270.94	561	215.85	5	92.59
Saugor	..	9,249	246.82	307	201.05	7	155.56
Mandla	..	1,283	206.60	53	203.07	2	100.00
Hoshangabad	..	7,654	271.10	247	200.00	3	71.43
Nimar	..	4,171	240.22	501	222.18	6	157.89
Raipur	..	11,622	204.33	125	194.10	13	71.82
Bilaspur	..	8,688	220.62	182	174.66	51	288.13
Drug	..	6,160	233.34	47	159.86	12	148.15
Bhandara	..	7,231	213.47	53	112.29	..	..
Balaghat	..	3,980	203.61	42	154.98	14	736.84
Amraoti	..	7,108	214.10	533	147.60	10	232.56
Yeotmal	..	5,940	207.25	340	186.24	6	206.89
Akola	..	6,059	220.29	651	187.88	2	90.91
Buldana	..	5,245	197.92	467	118.29	2	80.00
Total	..	116,175	225.09	4,926	180.76	173	153.64

FORM No. IV-A

THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

one year among

Others		Total deaths under one year of age			Ratio per 1,000 of births
Number	Ratio per 1,000 of births	Male	Female	Total	
545	208.41	4,662	3,873	8,535	225.71
10	625.00	2,424	1,967	4,391	236.46
838	211.46	3,866	3,460	7,326	212.19
3,688	207.23	4,041	3,553	7,594	212.22
1,320	188.98	1,974	1,592	3,566	216.91
2,351	242.15	5,562	4,986	10,548	260.25
15	384.62	5,011	4,567	9,578	245.07
2,027	186.34	1,787	1,578	3,365	193.74
689	237.67	4,579	4,014	8,593	264.77
16	333.33	2,595	2,099	4,694	239.20
138	202.05	6,299	5,599	11,898	203.78
3,332	153.85	6,516	5,637	12,153	195.21
2,239	193.58	4,539	4,019	8,558	223.20
8	600.00	3,964	3,328	7,292	212.25
127	494.16	2,238	1,925	4,163	207.18
47	117.21	4,188	3,510	7,698	206.63
29	195.95	3,483	2,832	6,315	205.23
20	176.99	3,671	3,061	6,732	216.43
93	155.52	3,246	2,561	5,807	193.11
17,532	193.99	74,645	64,161	138,806	218.62

DEATHS REGISTERED *ACCORDING TO CLASSES* IN THE DISTRICTS OF THE

Number of deaths

Serial No.	Districts		Mohammedans Male	Female	Total
	Nagpur Division				
1	Nagpur	..	758	775	1,533
2	Wardha	..	258	239	497
3	Chanda	..	191	207	398
4	Chhindwara	..	595	605	1,200
5	Betul	..	101	98	199
	Total	..	1,903	1,924	3,827
	Jubbulpore Division				
6	Jubbulpore	..	903	895	1,798
7	Saugor	..	590	573	1,163
8	Mandla	..	114	137	251
9	Hoshangabad	..	552	575	1,127
10	Nimar	..	955	877	1,832
	Total	..	3,114	3,057	6,171
	Chhattisgarh Division				
11	Raipur	..	254	244	498
12	Bilaspur	..	231	247	478
13	Drug	..	94	103	197
14	Bhandara	..	165	151	316
15	Balaghat	..	133	138	271
	Total	..	877	883	1,760
	Berar Division				
16	Amraoti	..	1,174	1,183	2,357
17	Yeotmal	..	691	659	1,350
18	Akola	..	1,252	1,204	2,456
19	Buldana	..	1,062	1,051	2,113
	Total	..	4,179	4,097	8,276
	Total for the Province	..	10,073	9,961	20,034

RM No. V

E CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

ths registered

Hindus			Other classes		
Male	Female	Total	Male	Female	Total
14,772	13,515	28,287	981	879	1,860
8,160	7,215	15,375	5	8	13
10,964	9,870	20,834	1,637	1,409	3,046
8,371	7,375	15,746	8,464	7,937	16,401
4,891	4,121	9,012	2,902	2,477	5,379
47,158	42,096	89,254	13,989	12,710	26,699
12,981	12,035	25,016	4,017	3,881	7,898
20,261	18,272	38,533	28	35	63
3,005	2,556	5,561	4,412	4,136	8,548
14,627	13,265	27,892	1,420	1,308	2,728
8,860	7,114	15,974	30	24	54
59,734	53,242	112,976	9,907	9,384	19,291
20,920	18,975	39,895	278	281	559
14,367	12,816	27,183	7,057	6,414	13,471
9,901	9,224	19,125	4,225	4,048	8,273
12,126	10,917	23,043	4	2	6
8,458	7,218	15,676	217	163	380
65,772	59,150	124,922	11,781	10,908	22,689
13,407	12,108	25,515	238	210	448
13,658	11,944	25,602	50	48	98
13,477	12,441	25,918	54	49	103
11,044	10,228	21,272	267	212	479
51,586	46,721	98,307	609	519	1,128
224,250	201,209	425,459	36,286	33,521	69,807

DEATHS REGISTERED *ACCORDING TO CLASSES* IN THE DISTRICTS OF

Serial No.	Districts	Muhammedans		
		Male	Female	Total
	Nagpur Division			
1	Nagpur ..	25.81	31.71	28.49
2	Wardha ..	23.36	24.19	23.75
3	Chanda ..	27.11	31.79	29.36
4	Chhindwara ..	30.20	31.86	31.02
5	Betul ..	27.72	28.88	28.28
	Total ..	26.88	30.44	28.56
	Jubbulpore Division			
6	Jubbulpore ..	35.05	40.96	37.76
7	Saugor ..	30.90	33.38	32.07
8	Mandla ..	31.09	42.83	36.55
9	Hoshangabad ..	30.38	34.41	38.31
10	Nimar ..	35.58	36.41	35.97
	Total ..	33.29	36.83	34.95
	Chhattisgarh Division			
11	Raipur ..	26.04	26.40	26.22
12	Bilaspur ..	24.37	26.98	25.65
13	Drug ..	25.75	27.93	28.21
14	Bhandara ..	20.29	20.54	20.41
15	Balaghat ..	24.25	23.95	24.37
	Total ..	24.03	25.18	24.59
	Berar Division			
16	Amraoti ..	25.68	29.01	27.25
17	Yeotmal ..	25.17	26.60	25.85
18	Akola ..	26.69	28.48	27.54
19	Buldana ..	28.34	30.65	29.44
	Total ..	26.53	28.83	27.62
	Total for the Province ..	26.06	28.33	27.14

THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*concld.*

Ratio					
Hindus			Other classes		
Male	Female	Total	Male	Female	Total
33.66	31.93	32.80	77.37	79.61	78.41
35.60	32.35	33.99	0.24	0.36	0.30
34.58	31.49	33.04	24.67	24.09	26.34
29.62	26.07	27.85	48.31	42.30	45.20
35.78	29.78	32.76	47.75	39.11	43.34
33.57	30.48	32 04	42.80	37.11	39.89
37.01	34.71	35.87	264.66	284.03	273.84
52.96	50.18	51.66	0.82	1.04	0.92
25.31	21.44	23.37	44.58	40.55	42.53
42.51	39.78	41.17	29.98	27.06	28.51
45.86	39.71	42.87	1.38	1.11	1.24
43.02	39.66	41.37	45.52	42.78	44.14
34.58	29.31	31.85	6.04	5.72	5.87
22.97	19.49	21.18	190.29	171.32	180.66
26.13	22.17	24.06	544.60	513.84	529.10
31.87	28.78	30.02	0.20	0.09	0.14
35.58	29.61	32.56	6.44	4.62	5.51
29.52	25.15	27.28	81.39	72.11	76.65
31.18	29.87	30.54	24.17	21.32	22.74
35.21	31.81	33.54	2.41	2.30	2.36
33.91	32.65	33.29	11.91	11.69	11.80
31.69	30.03	30.87	90.17	78.37	84.54
32.98	31.10	31.05	16.00	13.80	14.91
31 58	28.15	29.86	46.26	41.09	43.63

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

DURING THE

Serial No.	Districts	Population	Births: Male	Births: Female	Births: Total	Birth rate
	A.—RURAL DISTRICTS					
	Nagpur Division					
1	Nagpur ..	664,745	11,573	10,733	22,306	33.56
2	Wardha ..	455,444	7,621	7,408	15,029	33.00
3	Chanda ..	775,243	16,354	15,205	31,559	40.71
4	Chhindwara ..	981,544	17,136	16,482	33,618	32.25
5	Betul ..	411,360	8,182	7,634	15,816	38.45
	Jubbulpore Division					
6	Jubbulpore ..	699,227	16,615	16,040	32,655	46.70
7	Saugor ..	805,824	17,676	16,287	33,963	42.15
8	Mandla ..	491,750	8,739	8,184	16,923	34.41
9	Hoshangabad ..	752,901	14,923	13,869	28,792	38.24
10	Nimar ..	399,483	8,228	7,689	15,917	39.84
	Chhattisgarh Division					
11	Raipur ..	1,433,132	27,975	27,391	55,366	38.63
12	Bilaspur ..	1,466,636	30,993	29,431	60,424	41.20
13	Drug ..	886,683	18,988	18,701	37,689	42.51
14	Bhandara ..	860,518	16,433	15,658	32,091	37.29
15	Balaghat ..	600,171	10,297	9,553	19,850	33.07
	Berar Division					
16	Amraoti ..	784,425	14,921	14,019	28,940	36.89
17	Yeotmal ..	834,026	14,236	13,274	27,510	32.99
18	Akola ..	740,276	12,657	11,909	24,566	33.19
19	Buldana ..	706,114	13,269	12,333	25,602	36.26
	Total ..	14,749,502	286,816	271,800	558,616	37.87

FORM No. VI

DISTRICTS (*RURAL CIRCLES*) OF THE CENTRAL PROVINCES AND BERAR

YEAR 1939

Deaths from							
						Suicide and Homicide	
Cholera	Small-pox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Male	Female
6	..	..	11,133	514	1,359	34	38
..	3	..	5,443	1,490	1,378	39	36
66	3	..	12,021	592	399	53	39
1	6	27	21,282	906	1,723	27	33
..	3	7	6,032	366	2,324	20	31
76	95	297	15,908	1,722	8,471	41	29
93	16	184	25,529	878	4,156	44	41
12	5	37	10,843	432	510	19	16
18	127	199	19,761	1,143	732	33	32
..	139	..	10,896	163	1,653	14	11
10	..	..	26,907	1,415	1,398	34	31
77	10	..	27,707	1,655	1,361	44	27
12	1	..	19,735	863	464	23	22
36	..	..	14,469	215	707	30	50
..	..	..	13,039	181	170	25	26
435	..	..	7,253	4,097	1,903	60	52
6	..	..	15,076	2,120	1,274	59	49
148	1	..	9,330	4,445	2,449	56	51
498	81	..	6,952	2,599	2,889	66	56
1,494	490	751	279,316	25,796	35,320	721	670

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

DURING THE

Serial No.	Districts	Deaths from: Wounding and accident	Snake bite	Killed by wild beasts	Rabies	Total	All other causes	Total deaths from all acuses
	A.—RURAL DISTRICTS —*concld.*							
	Nagpur Division							
1	Nagpur ..	130	41	12	13	268	5,603	18,883
2	Wardha ..	117	39	4	10	245	4,810	13,369
3	Chanda ..	182	54	20	15	363	8,662	22,106
4	Chhindwara ..	265	71	21	11	428	7,140	31,513
5	Betul ..	115	34	23	16	239	5,118	14,089
	Jubbulpore Division							
6	Jubbulpore ..	130	91	11	18	320	1,975	28,864
7	Saugor ..	151	124	12	17	389	4,302	35,547
8	Mandla ..	54	52	9	5	155	1,957	13,951
9	Hoshangabad ..	127	30	13	8	243	6,422	28,645
10	Nimar ..	66	23	9	5	128	2,056	15,035
	Chhattisgarh Division							
11	Raipur ..	250	67	19	8	409	8,782	38,921
12	Bilaspur ..	185	78	8	28	370	8,652	39,832
13	Drug ..	151	28	7	7	238	5,833	27,146
14	Bhandara ..	186	30	4	7	307	6,152	21,886
15	Balaghat ..	103	30	3	4	191	2,580	16.161
	Berar Division							
16	Amraoti ..	101	43	7	16	279	9,061	23,028
17	Yeotmal ..	148	50	5	1	312	6,015	24,803
18	Akola ..	122	45	7	5	286	7,108	23,767
19	Buldana ..	79	22	3	5	231	7,429	20 679
	Total ..	2,662	952	197	199	5,401	109,657	458,225

FORM No. VI

DISTRICTS (*RURAL CIRCLES*) OF THE CENTRAL PROVINCES AND BERAR

YEAR 1939—*concld.*

Ratio of deaths per 1,000 of population									
								From all causes	
Cholera	Small-pox	Plague	Fevers	Dy-sentery and diarr-hoea	Res-piratory diseases	Injuries	All other causes	For the year	Mean of pre-vious 5 years
0.01	..	..	16.75	0.77	2.04	0.40	8.44	28.41	37.77
..	0.01	..	11.95	3.27	3.03	0.54	10.55	29.35	36.12
0.09	..	..	15.51	0.76	0.51	0.47	11.17	28.51	33.26
..	0.01	0.03	21.68	0.92	1.76	0.44	7.27	32.11	35.90
..	0.01	0.02	14.66	0.89	5.65	0.58	12.44	34.25	43.38
0.11	0.14	..	22.75	2.47	12.11	0.46	3.24	41.28	40.14
0.12	0.02	0.37	31.68	1.09	5.16	0.48	5.19	44.11	40.21
0.02	0.01	0.37	22.05	0.88	1.04	0.32	3.68	28.37	27.36
0.02	0.17	0.05	26.25	1.52	0.97	0.32	8.75	38.05	44.06
0.01	0.35	0.50	27.26	0.41	4.14	0.32	4.65	37.64	49.76
0.01	..	..	18.77	0.99	0.98	0.29	6.12	27.16	32.56
0.05	0.01	..	18.89	1.13	0.93	0.25	5.90	27.16	31.82
0.01	..	..	22.26	0.97	0.52	0.27	6.59	30.62	36.24
2.04	..	..	16.81	0.25	0.82	0.36	7.15	25.43	30.35
..	..	..	21.73	0.30	0.28	0.32	4.30	26.93	27.25
0.55	..	..	9.25	5.22	2.43	0.36	11.55	29.36	38.44
0.01	..	..	18.08	2.54	1.53	0.37	7.21	29.74	34.92
0.20	..	..	12.60	6.00	3.31	0.39	9.61	32.11	39.33
0.71	0.11	..	9.85	3.68	4.09	0.33	10.52	29.29	37.50
0.10	0.03	0.06	18.94	1.75	2.39	0.36	7.44	31.07	36.05

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN TH

B.—TOWNS

Serial No.	Districts and towns	Population	Births: Male	Births: Female	Births: Total	Birth ra
	(1) Nagpur District					
1	Nagpur	215,165	5,8[illegible]0	5,452	11,332	52.67
2	Kamptee	26,341	435	397	832	31.59
3	Umrer	17,913	380	373	753	42.04
4	Katol	10,900	224	203	427	39.17
5	Ramtek	8,939	186	199	385	43.07
6	Khapa	8,191	137	132	269	32.84
7	Narkhed	8,139	145	140	285	35.02
8	Saoner	7,969	171	154	325	40.78
9	Kalmeshwar	4,665	116	99	215	46.09
10	Mowar	5,206	97	129	226	43.42
11	Kelod	5,160	124	110	234	45.35
12	Mohpa	4,757	116	109	225	47.30
	(2) Wardha District					
13	Wardha	19,571	459	467	926	47.32
14	Hinganghat	22,601	498	504	1,002	44.33
15	Arvi	16,293	349	319	668	41.00
16	Pulgaon	7,845	164	138	302	38.50
17	Deoli	6,209	133	112	245	39.46
18	Ashti	5,881	90	82	172	29.25
19	Sindi	6,883	124	101	225	32.69
	(3) Chanda District					
20	Chanda	28,138	654	638	1,292	45.92
21	Warora	9,811	225	194	419	42.71
22	Armori	6,522	160	154	314	48.14
23	Nawargaon	5,330	78	93	171	32.08
24	Brahmapuri	5,216	127	125	252	48.31
25	Chimur	4,848	121	135	256	52.80
25A	Bailarpur	5,737	122	140	262	45.67
	(4) Chhindwara District					
26	Chhindwara	17,080	343	347	690	40.40
27	Pandhurna	11,570	255	260	515	44.51
28	Sausar	5,919	117	117	234	39.53
29	Seoni	16,081	383	343	726	45.15
	(5) Betul District					
30	Betul	9,614	216	201	417	43.37
31	Betul Bazar	5,378	105	102	207	38.49

TOWNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939

Deaths from							
						Suicide and Homicide	
Cholera	Smallpox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Male	Female
2	37	..	2,512	435	1,685	22	13
1	6	..	306	27	33	1	..
..	1	..	209	42	73	2	3
..	1	..	125	15	43	2	1
..	..	..	115	23	36	1	2
7	..	..	43	39	25	1	..
..	..	..	84	12	38	..	..
..	..	..	88	10	14	1	..
1	..	..	62	14	19	2	..
..	..	..	32	20	16	..	..
..	..	..	141	..	..	1	1
..	..	..	96	6	1	..	..
2	2	..	207	56	59	2	2
..	..	..	196	91	70	5	3
1	..	..	141	43	58	2	1
..	..	..	47	12	5	1	1
..	..	..	82	11	13	1	2
..	..	..	56	22	18	..	1
..	1	..	41	11	24	..	1
..	..	..	343	82	89	5	..
..	..	..	115	14	25	1	..
..	..	..	103	5	2	1	..
..	..	..	73	..	..	..	..
2	..	..	112	3	1	..	..
..	..	..	80	..	3	1	..
2	4	..	80	8	29	1	..
..	6	..	174	38	64	1	..
..	..	..	221	54	38	..	..
..	..	..	107	9	23	..	..
..	..	..	155	58	58	3	3
..	..	8	173	17	41	3	..
..	..	4	55	2	24	..	..

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

Serial No.	Districts and towns		Deaths from: Wounding and accident	Snake bite	Killed by wild beasts	Rabies	Total	All other causes	Total deaths from all causes
	B.—TOWNS—*contd.*								
	(1) Nagpur District								
1	Nagpur	..	111	2	..	4	152	4,749	9,572
2	Kamptee	..	6	..	..	..	7	279	659
3	Umrer	..	1	..	..	..	6	284	615
4	Katol	..	..	1	..	..	4	125	313
5	Ramtek	..	2	..	..	..	5	123	302
6	Khapa	..	1	..	..	..	2	36	252
7	Narkhed	..	3	..	..	..	3	74	211
8	Saoner	..	1	..	..	..	2	102	216
9	Kalmeshwar	..	..	..	..	..	2	67	165
10	Mowar	..	1	..	..	..	1	87	156
11	Kelod	..	3	..	..	..	5	37	183
12	Mohpa	..	1	..	..	..	1	49	153
	(2) Wardha District								
13	Wardha	..	9	1	..	..	14	361	701
14	Hinganghat	..	6	..	..	..	13	382	752
15	Arvi	..	9	4	..	..	17	204	464
16	Pulgaon	..	2	..	..	..	4	74	142
17	Deoli	..	1	..	1	..	5	61	172
18	Ashti	..	..	..	..	..	1	55	152
19	Sindi	..	4	..	..	..	5	51	133
	(3) Chanda District								
20	Chanda	..	17	1	2	..	28	455	997
21	Warora	..	3	..	..	..	5	114	273
22	Armori	..	3	..	1	1	7	35	212
23	Nawargaon	..	3	..	..	..	3	39	115
24	Brahmapuri	..	..	..	1	2	3	78	199
25	Chimur	..	1	..	2	..	4	67	154
25-A	Ballarpur	..	..	..	..	1	2	97	222
	(4) Chhindwara District								
26	Chhindwara	..	7	..	..	1	9	325	616
27	Pandhurna	..	5	..	1	..	6	119	438
28	Sausar	..	..	..	1	..	1	65	208
29	Seoni	..	11	..	1	..	18	286	575
	(5) Betul District								
30	Betul	..	3	..	1	..	7	94	34[illegible]
31	Betul Bazar	..	..	..	..	..	..	76	16[illegible]

TOWNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd*

Ratio of deaths per 1,000 of population.

Cholera	Small-pox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Injuries	All other causes	From all causes: For the year	From all causes: Mean of previous 5 years
0.01	0.17	..	11.67	2.02	7.83	0.71	22.08	44 49	44.95
0.04	0.23	..	11.62	1.03	1.25	0.27	10.58	25.02	26.64
..	0.06	..	11.67	2.34	4.08	0.33	15.85	34.33	36.90
..	0.09	..	11.47	1.38	3.94	0.37	12.38	29.63	32.53
..	..	..	12.86	2.57	4.03	0.56	13.76	33.78	36.42
0.85	..	..	5.25	4.76	3.05	0.24	16.61	30.76	32.82
..	..	..	10.32	1.34	4.67	0.37	9.22	25.92	39.64
..	..	..	11.04	1.25	1.76	0.25	12.81	27.11	33.43
0.21	..	..	13 29	3.00	4.07	0.43	14.37	35.37	42.10
..	..	..	6.15	3.84	3.07	0.19	16.72	29.97	43.41
..	..	..	27.32	..	..	0.97	7.18	35.47	39.57
..	..	..	20.18	1.26	0.21	0.21	10.30	32.16	45.74
0.10	0.10	..	10.58	2.88	3.01	0.72	18.43	35.82	30.25
..	..	..	8.67	4.03	3.10	0.58	16.89	33.27	34.17
0.06	..	..	8.65	2.64	3.56	1.04	12.53	28.48	30.26
..	..	..	5.99	1.53	0.64	0.51	9.43	18,10	16.55
..	..	..	13.21	1.77	2.09	0.81	9.82	27.70	29.94
..	..	..	9.52	3.74	3.06	0.17	9.36	25.85	37.10
..	0.15	..	5.96	1.60	3.49	0.73	7.39	19.32	25.08
..	..	..	12.19	2.91	3.16	1.00	16.17	35.43	35.92
..	..	..	11.72	1.43	2.55	0.51	11.62	27.83	35.01
..	..	..	15.79	0.77	0.31	1.07	14.57	32.51	32.69
..	..	..	13.70	..	..	0.56	8.32	21.58	21.13
0·38	..	..	21.47	0.57	0.19	0.57	14.97	38.15	34.16
..	..	..	16.50	..	0.62	0.82	13.83	31.77	37.21
0.35	0.70	..	13.94	1.39	5.05	0.35	16.92	38.70	..
..	0.35	..	10.19	2.22	3.75	0.53	19.03	36.07	41.80
..	..	..	19.10	4.67	3.28	0.52	10.29	37.86	38.89
..	..	..	18.08	1·52	3·89	0·17	10·47	34·63	36·95
..	..	..	9.64	3.61	3.61	1.12	17.78	35.76	38.59
..	..	0.83	17.99	1.77	4.26	0.73	9.78	35.36	37.82
..	..	0.74	10.23	0.37	4.46	..	14.14	29.94	32.57

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

Serial No.	Districts and towns	Population	Births: Male	Births: Female	Births: Total	Birth rate
	B.—TOWNS—*contd.*					
	(6) Jubbulpore District					
32	Jubbulpore ..	104,317	3,266	3,073	6,339	60.77
33	Jubbulpore Cantonment ..	20,065	67	49	116	5.78
34	Murwara ..	21,959	541	512	1,053	47.95
35	Sihora ..	5,764	158	155	367	63.67
	(7) Saugor District					
36	Saugor ..	38,517	1,151	1,130	2,281	59.22
37	Saugor Cantonment ..	10,345	261	241	502	48.53
38	Etawah ..	10,849	174	161	335	32.38
39	Khurai ..	6,951	189	177	366	52.65
40	Garhakota ..	8,242	170	177	347	42.10
41	Deori ..	5,638	126	99	225	39.91
42	Damoh ..	20,728	541	523	1,064	51.33
	(8) Mandla District					
43	Mandla ..	7,997	250	196	446	55.77
	(9) Hoshangabad District					
44	Hoshangabad ..	12,332	278	276	554	44.92
45	Harda ..	16,031	338	333	671	41.86
46	Sohagpur ..	8,141	170	178	348	42.75
47	Itarsi ..	11,787	168	149	317	26.89
48	Seoni-Malwa ..	6,410	116	111	227	35.41
49	Pachmarhi ..	6,136	81	88	169	72.54
50	Piparia ..	3,968	110	65	175	44.10
51	Narsinghpur ..	11,077	253	249	502	45.32
52	Gadarwara ..	9,077	238	199	437	48.15
53	Chhota Chhindwara ..	3,671	114	113	227	61.84
54	Kareliganj ..	2,315	24	11	35	15·12
	(10) Nimar District					
55	Khandwa ..	34,622	796	717	1,513	43.70
56	Burhanpur ..	44,066	1,176	1,098	2,274	51.60
	(11) Raipur District					
57	Raipur ..	45,390	958	983	1,941	42.76
58	Dhamtari ..	11,505	267	225	492	42.76
59	Arang ..	6,496	161	134	295	45.41
60	Bhatapara ..	7,974	144	149	293	36.74
	(12) Bilaspur District					
61	Bilaspur ..	31,374	593	508	1,101	35.09
62	Mungeli ..	6,665	184	166	350	52.31
63	Champa ..	8,362	198	184	382	45.68
	(13) Drug District					
64	Drug ..	13,172	322	331	653	78.09

TOWNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

Deaths from							
						Suicide and Homicide	
Cholera	Small pox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Male	Female
2	23	7	786	500	2,270	5	4
	3	..	46	8	25	1	1
..	15	..	327	126	261	2	2
..	..	1	70	32	106	2	..
3	1	1	722	194	452	2	1
..	..	..	188	10	12	1	1
..	..	..	153	19	41	..	..
..	4	..	179	20	54	..	1
1	..	5	131	37	59	..	..
..	..	10	80	28	31	..	1
1	..	20	287	81	131	3	..
..	..	12	163	43	61	1	..
..	2	..	230	18	32	..	..
..	52	..	289	48	48	..	1
..	11	..	132	31	18	..	..
..	5	..	138	12	10	3	..
..	5	..	109	7	14	..	..
..	..	..	63	15	22	..	1
..	2	..	55	13	3	..	..
..	2	10	159	49	18	..	..
..	..	8	125	50	28	..	..
..	..	4	145	3	9	..	..
..	..	..	3	6	4	..	..
..	76	..	522	84	239	1	3
1	1	..	698	89	294	1	..
..	2	..	460	122	218	4	4
..	..	..	140	14	17	..	..
..	..	..	89	19	16	1	..
..	..	..	128	16	3	..	..
..	..	..	361	34	..	..	..
..	..	..	106	31	8	..	..
..	..	..	102	61	6	..	1
..	1	..	182	53	33	1	1

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

Serial No.	Districts and towns	Deaths from: Wounding and accident	Snake bite	Killed by wild beasts	Rabies	Total	All other causes	Total deaths from all causes
	B.—TOWNS—*contd.*							
	(6) Jubbulpore District							
32	Jubbulpore ..	65	4	..	6	84	929	4,601
33	Jubbulpore Cantonment	7	..	..	1	10	20	112
34	Murwara ..	7	..	..	..	11	158	8:8
35	Sihora ..	3	..	1	..	6	22	237
	(7) Saugor District							
36	Saugor ..	21	1	1	..	26	627	2,026
37	Saugor Cantonment ..	3	..	..	..	5	99	314
38	Etawah ..	3	..	..	..	3	36	252
39	Khurai ..	1	1	..	..	3	46	306
40	Garhakota ..	2	..	..	2	4	85	322
41	Deori ..	2	1	..	..	3	37	189
42	Damoh ..	4	6	..	..	10	273	803
	(8) Mandla District							
43	Mandla ..	5	2	..	..	8	122	409
	(9) Hoshangabad District							
44	Hoshangabad ..	1	..	2	..	3	153	438
45	Harda ..	7	1	..	3	12	265	714
46	Sohagpur ..	1	..	..	..	1	76	269
47	Itarsi ..	4	..	..	..	7	102	274
48	Seoni-Malwa ..	2	..	2	..	4	58	197
49	Pachmarhi ..	2	..	..	..	3	32	135
50	Piparia ..	1	..	..	..	1	28	102
51	Narsinghpur ..	1	1	1	..	3	174	415
52	Gadarwara ..	2	..	..	..	2	130	343
53	Chhota Chhindwara ..	1	..	..	..	1	59	181
54	Kareliganj ..	..	..	..	..	..	21	34
	(10) Nimar District							
55	Khandwa ..	2	1	..	1	8	415	1,345
56	Burhanpur ..	14	1	..	..	16	381	1,480
	(11) Raipur District							
57	Raipur ..	33	1	..	..	42	456	1,300
58	Dhamtari ..	6	..	..	..	6	122	299
59	Arang ..	3	..	..	..	4	53	181
60	Bhatapara ..	2	..	..	..	2	102	251
	(12) Bilaspur District							
61	Bilaspur ..	..	..	..	..	..	354	749
62	Mungeli ..	4	..	..	..	4	64	213
63	Champa ..	3	2	..	..	6	163	338
	(13) Drug District							
64	Drug ..	[illegible]	1	..	..	9	171	449

FORM No. VI

TOWNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

Ratio of deaths per 1,000 of population									
								For all causes	
Cholera	Small-pox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Injuries	All other causes	For the year	Mean of previous 5 years
0.02	0.22	0.07	7.53	4.79	21.76	0.81	18.91	44.11	44.37
..	0.15	..	2.29	0.40	1.25	0.50	0.99	5.58	8.96
..	0·68	..	14.89	5.74	11.89	0.50	7.19	40.89	35.76
..	..	1.17	12.14	5.55	18.39	1.04	3.83	41.12	34.56
0.08	0.03	0.03	18.74	5.04	11.74	0.68	26.26	52.60	48.97
..	..	..	18.17	0.97	1.16	0.4[illegible]	7.57	30.35	32.85
..	..	..	14.10	1.75	3.78	0.27	3.35	23.23	17.90
..	0.58	..	25.75	2.88	7.77	0.43	6.61	44.02	33.72
0.12	..	0.61	15.89	4.49	7.16	0.49	10.31	39.07	33.32
..	..	1.77	14.19	4.97	5.50	0.53	6.56	33.52	27.60
0.05	..	0.96	13.85	3.91	6.32	0.49	13.16	38.74	40.72
..	..	1.05	20.38	5.38	7.63	1.00	15.25	51.14	47.09
..	0.16	..	18.65	1.46	2.59	0.24	12.42	35.52	37.68
..	3.24	..	18.03	2.99	2.99	0.75	16.54	44.54	37.02
..	1.35	..	16.21	3.81	2.21	0.12	9.34	33.04	35.16
..	0.42	..	11.71	1.02	0.85	0.59	8.66	23.25	24.65
..	0.68	..	17.00	1.09	2.18	0.62	9.06	30.73	47.25
..	..	..	10.27	2.44	3.59	0.49	5.21	22.00	24.54
..	0.50	..	13.56	3.28	0.76	0.25	7.06	25.71	27.67
..	0.18	..	14.35	4.42	1.62	0.27	15.73	37.47	38.95
..	..	..	13.77	5.51	3.19	0.22	14.22	37.79	39.64
..	..	..	31.33	0.82	2.95	0.27	13.34	49.30	51.92
..	..	..	1.30	2.59	1.73	..	9.07	14.69	..
0.03	2.20	..	15.08	2.43	6.90	0.23	11.98	38.85	33.92
0.02	0.02	..	15.84	0.02	6.67	0.36	8.66	33.59	37.58
..	0.04	..	10.13	2.69	4.80	0.93	10.05	28.64	35.02
..	..	..	12.17	1.22	1.48	0.52	10.60	25.99	32.63
..	..	..	13.70	2.92	2.46	0.62	8.16	27.86	41.38
..	..	..	16.05	2.01	0.38	0.25	12.79	31.48	30.72
..	..	..	11.51	1.08	..	..	11.28	23.87	24.48
..	..	..	15.90	4.65	1.20	0.60	9.61	31.96	39.43
..	..	..	12.14	7.29	0.72	0.72	19.55	40.42	41.28
..	0.08	..	13.82	4.02	2.51	0.68	12.98	34.09	37.11

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

Serial No	Districts and towns	Population	Births: Male	Births: Female	Births: Total	Birth rate
	B.—TOWNS—*contd.*					
	(14) Bhandara District					
65	Bhandara ..	16,738	373	345	718	42.90
66	Gondia ..	14,957	333	296	629	42.05
67	Paoni ..	12,525	260	229	489	39.04
68	Tumsar ..	10,061	247	181	428	42.54
	(15) Balaghat District					
69	Balaghat ..	9,605	124	120	244	25.40
	(16) Amraoti District					
70	Amraoti ..	46,832	1,836	1,230	2,616	55.86
71	Amraoti Camp ..	10,268	202	247	449	43.73
72	Ellichpur ..	28,592	641	591	1,232	43.09
73	Badnera ..	13,666	336	325	661	48.37
74	Anjangaon ..	11,597	330	328	658	56.74
75	Dattapur ..	9,887	94	75	169	17.23
76	Paratwara (Ellichpur Camp)..	9,799	211	164	375	38.27
77	Morsi ..	9,523	174	172	346	36.33
78	Warud ..	10,010	201	188	389	38.86
79	Karajgaon ..	6,853	131	122	253	36.92
80	Sirasgaon ..	6,880	105	136	241	35.03
81	Daryapur ..	8,556	222	244	466	54.46
82	Chandur Bazar ..	5,803	119	124	243	41.87
83	Pathrot ..	5,218	115	102	217	41.59
	(17) Yeotmal District					
84	Yeotmal ..	20,967	476	451	927	44.21
85	Digras ..	9,398	164	160	324	34.48
86	Pusad ..	9,862	197	183	380	38.53
87	Darwha ..	9,661	183	162	345	35.71
88	Wun ..	12,597	242	245	487	38.66
89	Umerkhed ..	7,957	167	171	338	42.48
90	Panderkaora ..	7,577	159	150	309	40.78
91	Ghatanji ..	3 989	77	74	151	37.85

TOWNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

Deaths from						Suicide and Homicide	
Cholera	Smallpox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Male	Female
5	..	..	218	43	58	2	3
..	..	..	185	19	10	5	;
..	..	..	132	13	30	2	1
..	..	..	106	5	16	2	2
1	..	2	84	3	2	2	1
22	2	..	687	50	204	8	5
2	..	..	106	22	33	..	..
5	..	..	186	67	31	..	..
11	..	..	142	47	27	1	3
8	..	..	145	50	23	3	2
..	..	..	45	3	24	1	..
..	..	..	113	16	18	..	..
..	..	..	76	3	75	1	1
..	..	..	47	14	6	..	..
..	..	..	66	22	17	..	..
..	..	..	68	27	14	1	..
29	..	..	97	57	20	..	..
..	..	..	52	27	10	1	..
..	..	..	73	25	3	..	..
..	..	..	273	66	90	2	3
..	..	..	129	5	7	2	2
..	..	..	125	22	14	1	..
..	..	..	102	26	24	..	..
..	..	..	156	41	9	..	..
..	..	..	76	21	8	..	1
..	..	..	112	5	3	..	..
..	..	7	59	8	5	..	..

18

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

Serial No.	Districts and towns	Deaths from: Wounding and accident	Snake bite	Killed by wild beasts	Rabies	Total	All other causes	Total deaths from all causes
	B.—TOWNS—*contd.*							
	(14) Bhandara District							
65	Bhandara ..	16	..	..	..	21	163	508
66	Gondia ..	4	..	1	..	11	200	425
67	Paoni ..	2	..	..	..	5	130	310
68	Tumsar ..	3	..	..	..	7	102	236
	(15) Balaghat District							
69	Balaghat ..	7	..	..	..	10	64	166
	(16) Amraoti District							
70	Amraoti ..	2	4	..	3	22	729	1,562
71	Amraoti Camp ..	6	1	..	..	7	248	385
72	Ellichpur ..	7	..	..	..	7	539	804
73	Badnera ..	4	..	..	..	8	145	353
74	Anjangaon ..	4	1	..	..	10	208	421
75	Dattapur ..	..	..	..	..	1	50	99
76	Paratwara (Ellichpur Camp)	6	..	..	..	6	130	265
77	Morsi ..	..	..	..	..	2	124	205
78	Warud ..	..	1	5	..	6	137	204
79	Karajgaon ..	2	1	..	..	3	107	198
80	Sirasgaon ..	4	..	..	1	6	88	189
81	Daryapur ..	1	..	..	..	1	100	284
82	Chandur Bazar ..	1	..	..	..	2	78	159
83	Pathrot ..	..	..	..	..	..	66	164
	(17) Yeotmal District							
84	Yeotmal ..	12	..	..	..	17	312	758
85	Digras ..	2	..	..	1	7	50	198
86	Pusad ..	2	..	..	2	5	84	250
87	Darwha ..	2	1	..	..	3	93	240
88	Wun ..	6	..	..	..	6	117	329
89	Umerkhed ..	1	1	..	..	3	89	197
90	Panderkaora ..	1	..	..	..	1	45	164
91	Ghatanji ..	1	..	..	..	1	21	101

WNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

Ratio of deaths per 1,000 of population

Cholera	Small-pox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Injuries	All other causes	For all causes: For the year	For all causes: Mean of previous 5 years
0.30	..	..	13·02	2.57	3.47	1.25	9.74	30.35	32.77
..	..	..	12.37	1.27	0.67	0.74	13.36	28.41	30.54
..	..	..	10.54	1.04	2.40	0.40	10.37	24.75	29.96
..	..	..	10.54	0.50	1.59	0.70	10.13	23.46	29.02
0.10	..	0.21	8.75	0.31	0.21	1.04	6.66	17.28	21.59
0.47	0.04	..	14.67	1.07	4.36	0.47	12.27	33.35	34.49
0.19	..	..	10.32	2.14	3.21	0.68	20.96	37.50	35.86
0.17	..	..	6.50	2.34	1.08	0.24	17.79	28.12	35.46
0.80	..	..	10.39	3.44	1.98	0.59	8.63	25.83	34.26
0.69	..	..	12.50	4.31	1.98	0.86	15.96	36.30	30.75
..	..	..	4.59	0.31	2.45	0.10	2.65	10.10	12.13
..	..	..	11.64	1.65	1.85	0.62	11.28	27.04	33.49
..	..	..	7.98	0.31	7.88	0.21	5.15	21.53	27.78
..	..	..	4.70	1.40	0.60	0.60	13.08	20.38	43.62
..	..	..	9.63	3.21	2.48	0.44	13.13	28.89	37.44
..	..	..	9.88	3.92	2.03	0.87	10.77	27.47	37.59
3.39	..	..	11.34	6.66	2.33	0.12	9.35	33.19	34.31
..	..	..	8.96	4.65	1.72	0.34	11.73	27.40	38.43
..	..	..	13.99	4.79	0.57	..	12.08	31.43	36.95
..	..	..	13.02	3.15	4.29	0.81	14.88	36.15	37.02
..	..	..	13.73	0.53	0.74	0.74	5.33	21.07	23.22
..	..	..	12.67	2.23	1.42	0.51	8.52	25.35	24.97
..	..	..	10.56	2.69	2.48	0.31	9.63	25.67	30.14
..	..	..	12.38	3.25	0.71	0.48	9.30	26.12	30.10
..	..	..	9.55	2.64	1.01	0.38	11.18	24.76	25.79
..	..	..	14.78	0.66	0.40	0.13	13.94	29.91	25.74
..	..	..	9.36	2.01	1.25	0.25	5.27	25.32	22.11

BIRTHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

Serial No.	Districts and towns	Population	Births: Male	Births: Female	Births: Total	Birth rat[e]
	B.—TOWNS—*concld.*					
	(18) Akola District					
92	Akola ..	47,632	1,211	1,183	2,394	35.40
93	Akot ..	18,693	384	367	751	40.18
94	Karanja ..	16,615	388	347	735	44.24
95	Basim ..	14,409	346	277	623	43.24
96	Balapur ..	11,245	199	234	433	38.51
97	Murtizapur ..	11,541	235	206	441	38.21
98	Hiwerkhed ..	6,914	111	120	231	33.41
99	Patur ..	6,838	135	107	242	35.39
100	Wadegaon ..	5,965	136	106	242	40.57
101	Mangrul Pir ..	6,386	118	116	234	36.64
102	Barsi Takli ..	5,455	111	102	213	39.05
	(19) Buldana District					
103	Buldana ..	7,504	141	121	262	34.91
104	Khamgaon ..	23,462	532	532	1,064	45.35
105	Malkapur ..	17,565	381	368	749	42.64
106	Shegaon ..	14,699	318	336	654	44.49
107	Jalgaon ..	10,463	212	179	391	37.37
108	Nandura ..	11,212	258	260	518	46.2[illegible]
109	Chikhli ..	7,041	153	134	287	40.7[illegible]
110	Mehkar ..	7,009	118	138	256	37.9[illegible]
111	Deolgaon Raja ..	5,837	152	136	288	49.3[illegible]
	Total of Towns ..	1,838,243	39,249	37,043	76,292	41.5[illegible]
	Total of Rural Circles ..	14,749,502	286,816	271,800	558,616	37.8[illegible]
	Total for the Province ..	16,587,745	326,065	308,843	634,908	38.2[illegible]

TOWNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*contd.*

Deaths from						Suicide and Homicide	
Cholera	Smallpox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseases	Male	Female
8	..	..	446	151	267	7	5
..	..	..	290	92	46	2	2
..	..	..	138	43	41	..	..
..	..	..	183	36	46	..	2
..	..	..	78	21	20	..	..
1	..	..	115	26	24	2	..
..	..	..	116	25	12	1	..
..	..	..	91	8	40	..	..
..	..	..	61	32	33	1	..
..	..	..	53	13	32	1	..
7	..	..	54	14	18	1	..
2	1	..	73	9	8	1	..
3	..	..	292	83	51	..	..
23	..	..	134	89	49	4	1
..	..	..	198	99	49	2	1
.	..	..	127	34	13	2	..
7	2	..	100	50	16	1	..
7	4	..	44	21	25	..	4
..	..	..	25	15	20	..	..
..	..	..	14	8	50	..	..
167	272	101	21,006	4,639	8,811	147	101
1,494	490	751	279,316	25,796	35,320	721	670
1,661	762	852	300,322	30,435	44,131	868	771

BRITHS AND DEATHS REGISTERED FROM *DIFFERENT CAUSES* IN THE

Serial No.	Districts and towns	Deaths from: Wounding and accident	Snake-bite	Killed by wild beasts	Rabies	Total	All other causes	Total deaths from all causes
	B.—TOWNS—*concld.*							
	(18) Akola District							
92	**Akola**	18	..	..	1	31	917	1,820
93	**Akot**	3	2	..	1	10	201	639
94	**Karanja**	1	..	..	..	1	197	420
95	**Basim**	1	..	..	..	3	178	444
96	**Balapur**	3	..	..	..	3	87	209
97	**Murtizapur**	2	..	..	..	4	90	260
98	**Hiwerkhed**	..	..	..	..	1	77	231
99	**Patur**	..	..	..	..	..	39	178
100	**Wadegaon**	..	..	..	1	2	68	196
101	**Mangrul Pir**	..	..	..	..	1	57	156
102	**Barsi Takli**	1	..	..	..	2	61	156
	(19) Buldana District							
103	**Buldana**	2	..	..	..	3	87	183
104	**Khamgaon**	9	..	..	..	9	296	734
105	**Malkapur**	5	..	..	..	10	327	642
106	**Shegaon**	3	..	..	..	6	180	532
107	**Jalgaon**	..	..	..	..	2	78	254
108	**Nandura**	..	..	..	..	2	130	307
109	**Chikhli**	..	..	..	..	3	107	211
110	**Mehkar**	..	..	..	..	..	106	166
111	**Deolgaon Raja**	..	..	..	..	..	84	156
	Total of Towns	576	44	24	32	924	21,156	57,075
	Total of Rural Circles	2,662	952	197	199	5,401	109,658	458,225
	Total for the Province	3,238	996	221	231	6,325	130,812	515,300

TOWNS OF THE CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939—*concld.*

Ratio of deaths per 1,000 of population										
								For all causes		
Cholera	Small-pox	Plague	Fevers	Dysentery and diarrhoea	Respiratory diseaes	Injuries	All other causes	For the year	Mean of previous 5 years
0.17	..	..	9.36	3.17	5.60	0.65	7.96	26.91	39.79
..	..	..	15.51	4.92	2.46	0.53	0.76	24.18	38.68
..	..	..	8.31	2.59	2.47	0.06	11.85	25.28	33.57
..	..	..	12.70	2.50	3.19	0.21	12.21	30.81	33.39
..	..	..	6.94	1.87	1.78	0.27	7.73	18.59	23.72
0.09	..	..	9.96	2.25	2.08	0.35	7.80	22.53	28.30
..	..	..	16.78	3.62	1.74	0.14	11.13	33.41	39.57
..	..	..	13.30	1.17	5.85	..	5.71	26.02	39.60
..	..	..	10.23	5.36	8.53	0.34	11.40	32.86	33.06
..	..	..	8.38	2.04	5.01	0.16	13.09	24.43	28.94
1.28	..	..	9.90	2.57	3.30	0.37	11.18	28.60	39.19
0.27	0.13	..	9.73	1.20	1.06	0.40	11.60	24.39	26.65
0.13	..	..	12.45	3.54	2.17	0.38	12.61	31.28	34.31
1.31	..	..	7.63	5.07	2.79	0.57	13.91	36.55	35.31
..	..	..	13.47	6.73	3.33	0.41	12.25	36.19	39.97
..	..	..	12.14	3.25	1.24	0.19	7.46	24.28	38.56
0.62	0.18	..	8.92	4.46	1.42	0.18	11.60	27.38	21.40
0.99	0.57	..	6.25	2.98	3.55	0.43	15.20	29.97	26.24
..	..	..	3.56	2.14	2.85	..	15.13	23.68	28.68
..	..	..	2.40	1.37	8.57	..	14.39	26.73	35.31
0.09	0.15	0.05	11.43	2.52	4.79	0.50	11.52	31.05	35.88
0.10	0.03	0.05	18.94	1.76	2.39	0.37	7.43	31.07	36.05
0.10	0.05	0.05	18.11	1.83	2.66	0.38	7.89	31.07	36.03

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts		Malaria		Enteric fever		Measles	
			Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	A.—RURAL DISTRICTS							
	Nagpur Division							
1	Nagpur	..	10,085	15.17	7	0.01	9	0.01
2	Wardha	..	5,066	11.12	2	..	14	0.03
3	Chanda	..	11,638	15.01	77	0.10	6	0.01
4	Chhindwara	..	15,427	15.72	14	0.01	40	0.04
5	Betul	..	5,971	14.52	29	0.07	8	0.02
	Jubbulpore Division							
6	Jubbulpore	..	13,073	18.70	207	0.30	479	0.69
7	Saugor	..	23,967	29.74	77	0.10	97	0.12
8	Mandla	..	10,116	20.57	58	0.12	47	0.10
9	Hoshangabad	..	19,588	26.02	12	0.02	29	0.04
10	Nimar	..	10,536	26.37	..	..	16	0.04
	Chhattisgarh Division							
11	Raipur	..	26,869	18.75	..	..	4	..
12	Bilaspur	..	27,078	18.46	..	..	5	..
13	Drug	..	19,414	21.90	..	..	10	0.01
14	Bhandara	..	14,036	16.31	3	..	8	0.01
15	Balaghat	..	13,029	21.71	..	..	6	0.01
	Berar Division							
16	Amraoti	..	7,945	10.13	9	0.01	25	0.03
17	Yeotmal	..	12,887	15.45	385	0.46	2	..
18	Akola	..	8,647	11.68	38	0.05	59	0.08
19	Buldana	..	6,799	9.62	41	0.06	82	0.12
	Total for Rural Circles	..	262,171	17.77	959	0.07	946	0.06

Fevers

Relapsing fever (spirochaetal)		Kala Azar		Influenza		Cerebro-spinal meningitis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	..	..	1	..	..	..
..	..	..	..	4	0.01	..	..
1	..	..	..	..	..	..	..
3	..	1	..	13	0.01	..	..
..	..	..	..	..	..	..	..
43	0.06	2	..	13	0.02	2	..
104	0.13	..	..	22	0.03	2	..
19	0.04	..	..	7	0.01	..	..
11	0.01	1	..	30	0.04	..	..
..	..	..	..	7	0.02	..	..
..	..	..	..	..	..	..	..
12	0.01	..	..	4	..	..	..
2	..	..	..	2	..	..	..
..	..	..	..	16	0.02	..	..
..	..	..	..	..	..	..	..
..	..	..	..	2	..	..	..
1	..	5	..	3	..	2	..
..	..	..	..	2	..	..	..
1	..	..	..	4	0.01	..	..
197	0.01	9	..	130	0.01	6	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN G

DATED THE JU

Serial No.	Districts	Fevers—*concld.*				
		Typhus		Blackwater		Undiagnosed
		Deaths	Ratio	Deaths	Ratio	Deaths
	A.—RURAL DISTRICTS—*contd.*					
	Nagpur Division					
1	Nagpur ..	28	0.04	6	0.01	997
2	Wardha ..	306	0.67	9	0.02	42
3	Chanda ..	..	..	..	..	299
4	Chhindwara ..	13	0.01	..	..	5,771
5	Betul ..	..	..	..	..	24
	Jubbulpore Division					
6	Jubbulpore ..	..	..	1	..	2,088
7	Saugor ..	11	0.01	2	..	1,247
8	Mandla ..	..	..	..	..	596
9	Hoshangabad ..	2	..	3	..	85
10	Nimar ..	..	..	..	..	337
	Chhattisgarh Division					
11	Raipur ..	1	..	..	..	33
12	Bilaspur ..	1	..	1	..	606
13	Drug ..	..	..	16	0.02	291
14	Bhandara ..	2	..	..	..	404
15	Balaghat ..	1	..	1	..	2
	Berar Division					
16	Amraoti ..	37	0.05	3	..	232
17	Yeotmal ..	117	0.14	..	..	1,674
18	Akola ..	1	..	3	..	580
19	Buldana ..	2	..	1	..	22
	Total for Rural Circles ..	522	0.04	46	..	15,330

Dysentery and Diarrhoea				Respiratory diseases			
Dysentery		Diarrhoea		Pneumonia		Pulmonary tuberculosis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ra
42	0.06	472	0.71	221	0.33	43	0.06
12	0.03	1,478	3.25	305	0.67	56	0.12
14	0.02	578	0.75	7	0.01	6	0.01
371	0.38	535	0.55	37	0.04	50	0.05
185	0.45	181	0.44	1	..	14	0.03
316	0.45	1,406	2.01	65	0.09	13	0.02
228	0.28	650	0.81	77	0.10	66	0.08
179	0.36	253	0.51	45	0.09	8	0.02
491	0.65	652	0.87	31	0.04	71	0.09
22	0.06	141	0.35	22	0.06	17	0.04
633	0.44	782	0.55	18	0.01	16	0.01
1,225	0.84	430	0.29	48	0.03	52	0.04
355	0.40	508	0.57	8	0.01	14	0.02
30	0.03	185	0.21	42	0.05	22	0.03
137	0.23	44	0.07	12	0.02	19	0.03
45	0.06	4,052	5.16	382	0.49	45	0.06
25	0.03	2,095	2.51	116	0.14	32	0.04
52	0.07	4,393	5.93	200	0.27	44	0.06
48	0.07	2,551	3.61	410	0.58	64	0.09
4,410	0.29	21,386	1.45	2,047	0.14	652	0 04

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN [illegible]

DATED THE [illegible]

Serial No.	Districts	Respiratory diseases—*concld.* Whooping cough Deaths	Ratio	Other respiratory diseases Deaths	Ratio	Beri-beri Deaths	Ratio
	A.—RURAL DISTRICTS—*contd.*						
	Nagpur Division						
1	Nagpur ..	363	0.55	732	1.10	34	0.0[illegible]
2	Wardha ..	169	0.37	848	1.86	..	..
3	Chanda ..	24	0.03	362	0.47	..	..
4	Chhindwara ..	56	0.06	1,580	1.61	..	..
5	Betul ..	99	0.24	2,210	5.37	..	..
	Jubbulpore Division						
6	Jubbulpore ..	6	0.01	8,387	11.99	..	..
7	Saugor ..	35	0.04	3,978	4.94	1	..
8	Mandla ..	10	0.02	447	0.91	8	0.0[illegible]
9	Hoshangabad ..	34	0.05	596	0.79	3	..
10	Nimar ..	65	0.16	1,549	3.88	..	..
	Chhattisgarh Division						
11	Raipur ..	272	0.19	1,092	0.76	..	..
12	Bilaspur ..	108	0.07	1,153	0.79	1	..
13	Drug ..	75	0.08	367	0.41	..	..
14	Bhandara ..	123	0.14	520	0.60	..	..
15	Balaghat ..	45	0.07	94	0.16	..	..
	Berar Division						
16	Amraoti ..	325	0.41	1,151	1.47	21	0.0[illegible]
17	Yeotmal ..	131	0.16	995	1.91	..	..
18	Akola ..	180	0.24	2,025	2.74	..	..
19	Buldana ..	232	0.33	2,183	3.09	..	..
	Total for Rural Circles ..	2,352	0.16	30,269	2.05	68	..

Other causes									
Acute poliomyelitis		Diphtheria		Chickenpox		Mumps		Tuberculosis of joints	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
2	..	..	..	10	0.02	..	..	37	0.06
..	..	2	..	1	..	..	..	64	0.14
..	..	..	..	4	0.01	..	..	5	0.01
..	..	4	0.01	9	0.01	..	..	103	0.10
..	..	4	0.01	5	0.01	..	..	23	0.06
..	..	1	..	154	0.22	..	..	59	0.08
..	..	1	..	11	0.01	7	0.01	214	0.27
..	..	2	..	13	0.03	..	..	8	0.02
..	..	..	..	6	0.01	..	..	46	0.06
..	..	..	..	2	0.01	3	0.01	20	0.05
..	..	9	0.01	11	0.01	1	..	14	0.01
2	..	..	..	53	0.04	..	..	95	0.06
..	..	..	..	1	..	..	..	15	0.02
..	..	..	..	..	..	1	..	20	0.02
..	..	5	0.01	..	..	2	..	5	0.01
..	..	..	..	4	0·01	1	..	223	0.28
..	..	3	..	10	0·01	2	..	45	0.05
..	..	1	..	4	0.01	1	..	105	0.14
..	..	3	..	21	0.03	..	..	108	0.15
4	..	35	..	319	0.02	18	..	1,209	0.08

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts		Other causes—*concld.* Other Tubercular diseases Deaths	Ratio	Leprosy Deaths	Ratio	Cancer Deaths	Ratio
	A.— RURAL DISTRICTS—*concld.*							
	Nagpur Division							
1	Nagpur	..	152	0.23	16	0.02	7	0.01
2	Wardha	..	189	0.41	26	0.08	1	..
3	Chanda	..	79	0.10	13	0.02	..	..
4	Chhindwara	..	69	0.07	10	0·01	..	..
5	Betul	..	25	0.06	3	0.01	..	..
	Jubbulpore Division							
6	Jubbulpore	..	24	0.03	..	..	2	..
7	Saugor	..	186	0.23	..	..	1	..
8	Mandla	..	15	0.03	1	..	14	0.0[illegible]
9	Hoshangabad	..	115	0.15	1	..	..	..
10	Nimar	..	127	0.32	5	0.01	..	..
	Chhattisgarh Division							
11	Raipur	..	43	0.03	50	0.03	..	..
12	Bilaspur	..	319	0.22	25	0.01	1	..
13	Drug	..	15	0.02	52	0.06	..	..
14	Bhandara	..	106	0.12	3	..	..	..
15	Balaghat	..	77	0.13	2	..	1	..
	Berar Division							
16	Amraoti	..	335	0.43	53	0.07	5	0.0[illegible]
17	Yeotmal	..	206	0.25	21	0.03	1	..
18	Akola	..	205	0.28	34	0.05	1	..
19	Buldana	..	216	0.31	27	0.04	..	..
	Total for Rural Circles	..	2,503	0.17	342	0.02	34	..

Deaths from childbirth		Deaths under one year			Infantile mortality rate per 1,000 of births
Deaths	Ratio	Male	Female	Total	
177	7.92	2,785	2,307	5,092	228.28
168	11.12	2,012	1,671	3,683	245.06
215	6.77	3,554	3,152	6,706	212.49
162	4.73	3,807	3,348	7,155	212.83
103	1.36	1,914	1,528	3,442	217.63
..	..				
230	6.91	4,422	4,070	8,492	260.05
191	5.58	4,344	3,979	8,323	245.06
129	7.44	1,740	1,522	3,262	192.76
91	3.13	4,091	3,621	7,712	267.85
73	4.55	2,155	1,732	3,887	244.20
531	9.02	5,984	5,323	11,307	204.22
467	7.39	6,323	5,450	11,773	194.84
369	9.19	4,457	3,939	8,396	222.77
181	5.63	3,719	3,142	6,861	213.80
49	2.45	2,225	1,916	4,141	208.59
513	17.53	3,473	2,841	6,314	218.18
280	9.74	3,170	2,560	5,730	208.29
389	15.49	2,985	2,548	5,533	225.23
372	13.93	2,782	2,195	4,977	194.40
4,690	8.18	65,942	56,844	122,786	219.80

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN
DATED THE 16TH

Serial No.	Districts	Malaria		Enteric fevers		Measles	
		Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS						
	(1) Nagpur District						
1	Nagpur ..	336	1.56	127	0·59	25	0·12
2	Kamptee ..	247	9.38	..	..	26	0·99
3	Umrer ..	207	11.56	..	..	..	..
4	Katol ..	38	3.49	..	..	..	..
5	Ramtek ..	115	12.86	..	..	..	..
6	Khapa ..	22	2.69	..	..	..	..
7	Narkhed ..	66	8.11	..	..	..	..
8	Saoner ..	87	10·92	1	0.13	..	..
9	Kalmeshwar ..	61	13.08	..	..	..	..
10	Mowar ..	22	4.23	..	..	..	..
11	Kelod ..	141	27.33	..	..	..	..
12	Mohpa ..	96	20.18	..	..	..	..
	(2) Wardha District						
13	Wardha ..	183	9.35	..	..	3	0.15
14	Hinganghat ..	154	6.81	..	..	..	..
15	Arvi ..	132	8.10	..	..	..	..
16	Pulgaon ..	45	5.74	..	..	..	..
17	Deoli ..	79	12.72	..	..	..	..
18	Ashti ..	56	9.52	..	..	..	..
19	Sindi ..	41	5.96	..	..	..	..
	(3) Chanda District						
20	Chanda ..	309	10.98	34	1.21	..	0.10
21	Warora ..	95	9.68	10	1.02	1	..
22	Armori ..	103	15.79	..	..	..	..
23	Kawargaon ..	73	13.70	..	..	..	..
24	Brahmapuri ..	112	21.47	..	..	..	..
25	Chimur ..	80	16.50	..	..	..	..
25-A	Ballarpur ..	79	13.77	1	0.17	..	
	(4) Chhindwara District						
26	Chhindwara ..	172	10.07	..	..	8	0.69
27	Pandhurna ..	179	15.47	..	..	..	..
28	Sausar ..	107	18.08	..	..	5	0.31
29	Seoni ..	15	0.93	19	1.18		
	(5) Betul District						
30	Betul ..	166	17.27	..	..	6	0.62
31	Betul Bazar ..	45	8.37	..	..	..	..

Fevers

Relapsing fever (spirochaetal)		Kala Azar		Influenza		Cerebro-spinal meningitis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	..	..	1	..	9	0.04
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
2	0.09	..	..	..	..	1	0.04
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
6	0.37	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Fevers—*concld.* Typhus Deaths	Typhus Ratio	Blackwater Deaths	Blackwater Ratio	Undiagnosed Deaths	Undiagnosed Ratio
	B.—TOWNS—*contd.*						
	(1) Nagpur District						
1	Nagpur ..	3	0.01	4	0.02	2,007	9.33
2	Kamptee ..	1	0.04	..	..	32	1.21
3	Umrer ..	2	0.11	..	..	..	..
4	Katol ..	6	0.55	..	..	81	7.43
5	Ramtek ..	..	..	..	..	..	..
6	Khapa ..	..	..	..	..	21	2.56
7	Nerkhed ..	..	..	1	0.12	17	2.09
8	Saoner ..	..	..	..	..	..	..
9	Kalmeshwar ..	1	0.21	..	..	..	..
10	Mowar ..	..	..	..	..	10	1.92
11	Kelod ..	..	..	..	..	..	..
12	Mohpa ..	..	..	..	..	..	..
	(2) Wardha District						
13	Wardha ..	21	1.07	..	..	3	0.15
14	Hinganghat ..	35	1.55	..	..	1	0.04
15	Arvi ..	8	0.49	..	..	1	0.06
16	Pulgaon ..	1	0.13	..	..	1	0.13
17	Deoli ..	3	0.48	..	..	..	..
18	Ashti ..	..	..	..	..	..	..
19	Sindi ..	..	..	..	..	..	..
	(3) Chanda District						
20	Chanda ..	..	..	..	..	..	..
21	Warora ..	..	..	..	..	9	0.92
22	Armori ..	..	..	..	..	..	..
23	Nawargaon ..	..	..	..	..	..	..
24	Brahmapuri ..	..	..	..	..	..	..
25	Chimur ..	..	..	..	..	..	..
25-A	Ballarpur ..	..	..	..	..	..	..
	(4) Chhindwara District						
26	Chhindwara ..	2	0.12	..	..	..	..
27	Pandhurna ..	..	..	..	..	34	2.94
28	Sausar ..	..	..	..	..	..	..
29	Seoni ..	6	0.37	..	..	104	6.47
	(5) Betul District						
30	Betul ..	..	..	..	..	1	0.10
31	Betul Bazar ..	..	..	..	..	10	1.88

Dysentery and Diarrhoea				Respiratory Diseases			
Dysentery		Diarrhoea		Pneumonia		Pulmonary tuberculosis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
70	0.33	365	1.70	728	3.38	218	1.01
17	0.65	10	0.38	..	..	..	..
11	0.61	31	1.73	3	0.17	..	..
2	0.18	13	1.19	3	0.28	..	..
1	0.11	22	2.46	4	0.45	3	0.34
..	..	39	4.76	6	0.73	..	..
1	0.12	11	1.35	5	0.61	..	..
..	..	10	1.25	1	0.13	2	0.25
..	..	14	3.00	2	0.43	..	..
2	0.38	18	3.46	1	0.19	..	..
..	..	..	..	..	..	..	..
..	..	6	1.26	..	..	..	..
1	0.05	55	2.81	13	0.66	2	0.05
2	0.09	89	3.94	23	1.02	12	0.53
..	..	43	2.64	11	0.67	..	..
2	0.25	10	1.27	..	..	..	..
..	..	11	1.77	2	0.32	..	..
..	..	22	3.74	..	..	1	0.17
..	..	11	1.60	7	1.02	3	0.44
..	..	82	2.91	..	..	..	..
1	0.10	13	1.33	2	0.20	11	1.12
..	..	5	0.77	..	..	..	..
..	..	..	..	..	..	..	..
..	..	3	0.58	..	..	..	..
..	..	..	..	..	..	..	..
1	0.17	7	1.22	..	..	..	..
20	1.17	18	1.05	11	0.64	11	0.64
7	0.61	47	4.06	1	0.09	..	--
2	0.34	7	1.18	9	1.52	..	..
16	1.99	42	2.61	1	0.06	28	1.74
8	0.83	9	0.94	1	0.10	..	..
1	0.19	1	0.19	3	0.56	1	0.19

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Respiratory diseases—*concld.* Whooping cough		Other respiratory diseases		Beri-beri	
		Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*contd.*						
	(1) Nagpur District						
1	Nagpur	18	0.08	721	3.35	..	..
2	Kamptee	9	0.34	24	0.91	..	..
3	Umrer	18	1.00	52	2.90	..	..
4	Katol	..	..	40	3.67	3	0.28
5	Ramtek	11	1.23	18	2.01	..	..
6	Khapa	9	1.10	10	1.22	..	..
7	Nerkhed	7	0.86	26	3.19	..	..
8	Saoner	4	0.50	7	0.88	..	..
9	Kalmeshwar	12	2.57	5	1.07	..	..
10	Mowar	2	0.38	13	2.50	..	..
11	Kelod	..	..	..		..	..
12	Mohpa	..	..	1	0.21	..	..
	(2) Wardha District						
13	Wardha	5	0.26	39	1.99	..	..
14	Hinganghat	19	0.84	16	0.71	..	..
15	Arvi	6	0.37	41	2.52	..	..
16	Pulgaon	3	0.38	2	0.25	..	..
17	Deoli	1	0.16	10	1.61	..	..
18	Ashti	..	..	17	2.89	..	..
19	Sindi	5	0.73	9	1.31	..	..
	(3) Chanda District						
20	Chanda	..	..	89	3.16	..	..
21	Warora	3	0.31	9	0.92	..	..
22	Armori	..	..	2	0.31	..	..
23	Nawargaon	..	..	..	..	..	..
24	Brahmapuri	..	..	1	0.16	..	..
25	Chimur	1	0.21	2	0.41	..	..
25-A	Ballarpur	..	..	29	5.05	..	..
	(4) Chhindwara District						
26	Chhindwara	5	0.29	37	2.17	..	..
27	Pandhurna	5	0.43	32	2.77	..	..
28	Sausar	..	..	14	2.37	..	..
29	Seoni	2	0.12	27	1.68	..	..
	(5) Betul District						
30	Betul	2	0.21	38	3.95	..	..
31	Betul Bazar	1	0.19	19	3.53	..	

Other causes							
Acute Poliomyelitis		Diphtheria		Chickenpox		Mumps	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	..	..	2	0.01	1	..
..	..	..	..	12	0.46	..	..
..	..	..	..	..	..	..	..
..	..	..	..	1	0.09	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	1	0.13	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	1	0.04	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	1	0.10	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	1	0.06	..	..
..	..	..	..	6	0.52	..	..
..	..	..	..	1	0.17	..	..
..	..	..	..	..	..	..	..
..	..	..	..	2	0.21	..	..
..	..	..	..	..	..	..	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Tuberculosis of joints — Deaths	Tuberculosis of joints — Ratio	Other tubercular diseases — Deaths	Other tubercular diseases — Ratio	Other causes: Leprosy — Deaths	Other causes: Leprosy — Ratio
	B.—TOWNS—*contd.*						
	(1) Nagpur District						
1	Nagpur	18	0.08	141	0.61	3	0.01
2	Kamptee	3	0.11	81	3.08	..	..
3	Umrer	..	..	2	0.11	..	0.22
4	Katol	2	0.18	2	0.18	..	..
5	Ramtek	..	..	1	0.11	..	..
6	Khapa	1	0.12	4	0.49	..	..
7	Nerkhed	..	..	5	0.61	..	..
8	Saoner	1	0.13	..	..	1	0.13
9	Kalmeshwar	..	..	3	0.64	..	..
10	Mowar	1	0.19	9	1.73	..	..
11	Kelod	..	..	..	..	..	..
12	Mohpa	..	..	..	..	..	..
	(2) Wardha District						
13	Wardha	4	0.20	26	1.33	..	..
14	Hinganghat	3	0.13	16	0.71	2	0.09
15	Arvi	6	0.37	13	0.80	2	0.12
16	Pulgaon	3	0.38	1	0.13	1	0.13
17	Deoli	1	0.16	..	..	..	..
18	Ashti	1	0.17	4	0.68	..	..
19	Sindi	4	0.58	..	..	..	..
	(3) Chanda District						
20	Chanda	..	..	38	1.35	..	..
21	Warora	..	..	6	0.61	..	..
22	Armori	..	..	3	0.46	1	0.15
23	Nawargaon	..	..	..	..	..	..
24	Brahmapuri	..	..	..	..	..	..
25	Chimur	..	..	..	..	..	..
25-A	Ballarpur	..	..	2	0.35	..	..
	(4) Chhindwara District						
26	Chhindwara	1	0.06	10	0.59	1	0.09
27	Pandhurna	..	..	..	..	..	..
28	Sausar	1	0.17	..	..	..	..
29	Seoni	8	0.50	15	0.93	..	..
	(5) Betul District						
30	Betul	..	..	..	..	..	..
31	Betul Bazar	..	..	3	0.56	..	..

—*concld.*

Cancer		Deaths from child-birth		Deaths under one year			Infantile mortality rate per 1,000 of births
Deaths	Ratio	Deaths	Ratio	Male	Female	Total	
70	0.33	135	11.67	1,423	1,140	2,563	226.17
1	0.04	6	7.14	84	88	172	206.73
..	..	6	7.93	89	90	179	237.72
..	..	6	13.89	49	35	84	196.72
..	..	13	33.08	44	40	84	218.18
..	..	1	3.89	30	39	69	256.51
..	..	4	13.79	22	28	50	175.44
..	..	2	6.12	31	16	47	144.62
..	..	..	..	32	22	54	251.16
..	..	3	13.10	27	30	57	252.21
..	..	3	12.77	22	18	40	170.94
..	..	1	4.44	24	20	44	195.56
..	..	13	13.79	93	75	168	181.43
..	..	15	14.70	134	99	233	232.53
..	..	13	19.01	77	55	132	197.60
..	..	6	19.54	39	22	61	201.99
..	..	..	..	32	20	52	212.24
..	..	11	63.95	20	15	35	203.49
..	..	5	22.12	17	10	27	120.00
..	..	15	11.36	127	141	268	207.43
..	..	12	28.17	46	35	81	193.32
..	..	2	6.37	32	34	66	210.19
..	..	..	..	13	15	28	163.74
..	..	4	15.81	42	33	75	297.62
..	..	2	7.61	24	24	48	187.50
..	..	8	30 42	28	26	54	206.11
..	..	3	4.28	71	62	133	192.75
..	..	..	..	51	60	111	215.53
..	..	..	..	27	20	47	200.85
	..	7	9.26	85	63	148	203.86
..	..	5	11.60	44	41	85	203.84
..	..	1	4 83	16	23	39	188.41
..							

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Malaria		Enteric fevers		Measles	
		Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*contd.*						
	(6) Jubbulpore District						
32	Jubbulpore ..	149	1.43	2	0.01	142	1.36
33	Jubbulpore Cantonment ..	..	..	4	0.20	..	..
34	Murwara ..	218	10.86	..	..	82	3.73
35	Sihora ..	60	2.99	..	..	8	1.39
	(7) Saugor District						
36	Saugor ..	604	15.68	13	0.34	13	0.34
37	Saugor Cantonment ..	186	17.98	1	0.10	..	..
38	Etawah ..	127	12.23	6	0.55	17	1.57
39	Khurai ..	136	12.54	14	2.01	13	1.87
40	Garhakota ..	119	15.65	1	0.12	10	1.21
41	Deori ..	38	6.74	4	0.71	1	0.18
42	Damoh ..	225	10.85	4	0.19	5	0.24
	(8) Mandla District						
43	Mandla ..	23	2.88	5	0.63	9	1.12
	(9) Hoshangabad District						
44	Hoshangabad ..	218	17.68	..	..	3	0.24
45	Harda ..	283	17.65	..	..	4	0.25
46	Sohagpur ..	118	14.49	6	0.74	8	0.98
47	Itarsi ..	131	11.11	..	..	..	..
48	Seoni-Malwa ..	104	16.22	..	..	5	0.78
49	Pachmarhi ..	54	8.80	..	..	..	..
50	Piparia ..	44	11.09	..	..	..	..
51	Narsinghpur ..	147	13.27	..	..	..	..
52	Gadarwara ..	109	12.01	..	..	8	0.88
53	Chhota-Chhindwara ..	106	28.87	2	0.54	6	1.63
54	Kareliganj ..	3	1.30	..	..	..	..
	(10) Nimar District						
55	Khandwa ..	476	13.75	..	..	8	0.23
56	Burhanpur ..	634	14.39	..	..	56	1.27
	(11) Raipur District						
57	Raipur ..	444	9.78	9	0.20	..	..
58	Dhamtari ..	140	12.17	..	..	..	..
59	Bhatapara ..	87	13.39	..	..	..	..
60	Arang ..	128	16.05	..	..	..	..

Fevers: Relapsing fever (spirochaetal)		Kala Azar		Influenza		Cerebro-spinal meningitis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
1	0.01	..	..	3	0.03	2	0.02
..	..	..	..	..	0.27	..	..
..	..	..	..	6	..	..	..
1	0.17	..	..	..	..	..	..
..	..	..	..	48	1.25	..	..
..	..	..	..	1	0.10	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
2	0.35	..	..	..	..	..	..
..	..	..	..	1	0.05	..	..
..	..	..	..	..	..	..	..
..	..	..	..	9	0.73	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
1	0.08	..	..	4	0.34	..	..
..	..	..	..	..	..	..	..
..	..	..	..	5	0.81	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO

DATED THE

Serial No.	Districts	Fevers—*concld.* Typhus		Blackwater		Undiagnosed fever
		Deaths	Ratio	Deaths	Ratio	Deaths
	B.—TOWNS—*contd.*					
	(6) Jubbulpore District					
32	Jubbulpore	..	..	..	..	487
33	Jubbulpore Cantonment	..	..	..	..	42
34	Murwara	..	..	..	..	21
35	Sihora	..	..	..	..	1
	(7) Saugor District					
36	Saugor	1	0·03	..	..	43
37	Saugor Cantonment	..	..	..	..	..
38	Etawah	3	0·28	..	..	..
39	Khurai	..	..	..	..	16
40	Garhakota	..	..	..	..	1
41	Deori	..	..	..	..	35
42	Damoh	..	..	..	..	52
	(8) Mandla District					
43	Mandla	..	..	..	..	126
	(9) Hoshangabad District					
44	Hoshangabad	..	..	..	..	..
45	Harda	..	..	..	..	2
46	Sohagpur	..	..	..	..	..
47	Itarsi	1	0·08	..	..	1
48	Seoni-Malwa	..	..	..	..	..
49	Pachmarhi	..	..	..	..	4
50	Piparia	..	..	..	..	11
51	Narsinghpur	..	..	..	..	12
52	Gadarwara	..	..	..	..	7
53	Chhota-Chhindwara	1	0.11	..	..	..
54	Kareliganj	1	2.27	..	..	..
	(10) Nimar District					
55	Khandwa	..	..	..	..	38
56	Burhanpur	..	..	..	..	8
	(11) Raipur District					
57	Raipur	4	0.09	..	..	3
58	Dhamtari	..	..	..	..	..
59	Bhatapara	..	..	..	..	..
60	Arang	2	0.25	..	..	..

FORM No. VI (*a*)

GOVERNMENT OF INDIA (DEPARTMENT OF EDUCATION) (SANITARY) LETTER No. 444

JULY 1919—*contd.*

Dysentery and diarrhoea				Respiratory diseases			
Dysentery		Diarrhoea		Pneumonia		Pulmonary tuberculosis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
82	0.79	418	4.01	19	0.18	2	0.02
1	0.05	7	0.34	..	..	4	0.20
4	0.18	122	5.56	..	..	1	0.05
..	..	32	5.55	..	..	..	..
47	1.22	147	3.82	50	1.30	18	0.47
4	0.39	6	0.58	..	..	1	0·10
1	0.09	18	1.66	..	..	..	..
3	0.43	17	4.45	..	..	..	..
11	2.06	26	3.16	1	0.12	1	0.12
4	0.71	24	4.26	..	..	..	..
18	0.87	63	3.04	42	2.03	30	1.45
12	1.50	31	3.88	44	5.50	1	0.13
3	0.24	15	1.22	8	0.65	..	..
9	0.56	39	2.43	3	0.19	..	..
5	0.61	26	3.19	3	0.37	1	0.12
1	0.08	11	0.93	2	0.17	..	..
2	0.31	5	0.78	..	..	1	0.16
7	1.14	8	1.30	9	1.47	1	0.16
5	1.26	8	2.02	..	..	..	..
14	1.26	35	3.16	2	0.18	5	0.45
39	4.30	11	1.21	4	0.44	5	0.55
2	0.54	1	0.27	3	0.82	1	0.27
4	1.73	2	0.86	2	0.86	1	0.43
31	0.90	53	1.53	80	2.31	12	0.35
11	0.25	78	1.77	34	0.77	70	1.59
36	0.79	86	1.89	24	0.53	21	0.46
4	0.35	10	0.87	..	..	..	..
4	1.62	15	2.31	..	..	..	..
4	0.50	12	1.50	..	..	..	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Respiratory diseases—*concld.*					
		Whooping cough		Other respiratory diseases		Beri-beri	
		Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*contd.*						
	(6) Jubbulpore District						
32	Jubbulpore	3	0.03	2,246	21.53	..	..
33	Jubbulpore Cantonment	..	..	21	1.05	..	..
34	Murwara	..	..	260	11.84	..	..
35	Sihora	..	..	106	18.39	..	..
	(7) Saugor District						
36	Saugor	..	..	384	9.97	..	..
37	Saugor Cantonment	..	..	11	1.06	..	..
38	Etawah	..	..	41	3.78	..	..
39	Khurai	..	..	54	7.77	..	..
40	Garhakota	..	..	57	6.92	..	..
41	Deori	..	..	31	5.50	..	..
42	Damoh	2	0.10	57	2.75	..	..
	(8) Mandla District						
43	Mandla	1	0.13	15	1.88	..	..
	(9) Hoshangabad District						
44	Hoshangabad	..	..	24	1.94	..	..
45	Harda	1	0.06	44	2.74	..	..
46	Sohagpur	..	..	14	1.72	..	..
47	Itarsi	..	..	8	0.68	..	..
48	Seoni-Malwa	..	..	13	2.03	..	..
49	Pachmarhi	2	0.33	10	1.63	..	..
50	Piparia	1	0.25	2	0.50	..	..
51	Narsinghpur	2	0·18	9	0.81	..	..
52	Gadarwara	2	0.22	17	1.87	..	..
53	Chhota-Chhindwara	1	0.27	4	1.09	..	..
54	Kareliganj	..	..	1	0.43	..	..
	(10) Nimar District						
55	Khandwa	5	0.14	142	4.10	..	..
56	Burhanpur	5	0.11	185	4.20	..	..
	(11) Raipur District						
57	Raipur	17	0.37	156	3.44	..	..
58	Dhamtari	5	0.43	12	1.04	..	..
59	Bhatapara	5	0.77	11	1.69	..	..
60	Arang	1	0.13	2	0.25	..	..

Other causes							
Acute Poliomyelitis		Diphtheria		Chickenpox		Mumps	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	2	0.02	2	0.02	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	4	0.10	..	..
..	..	..	..	..	..	..	..
..	..	..	..	8	0.74	..	..
..	..	..	..	11	1.58	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	69	5.60	..	..
..	..	..	..	..	..	..	..
..	..	..	..	6	0.51	..	..
..	..	..	..	..	..	1	0.16
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	2	0·06	..	..	46	1.04
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	2	0.17	..	..
..	..	..	..	..	..	..	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Other					
		Tuberculosis of joints		Other tubercular diseases		Leprosy	
		Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*contd.*						
	(6) Jubbulpore District						
32	Jubbulpore ..	15	0.14	12	0.12	..	..
33	Jubbulpore Cantonment ..	1	0.05	18	0.90	..	..
34	Murwara ..	..	..	..	..	1	0.05
35	Sihora ..	..	..	..	..	..	..
	(7) Saugor District						
36	Saugor ..	2	0.05	2	0.05	..	..
37	Saugor Cantonment ..	..	..	..	..	..	..
38	Etawah ..	..	..	..	..	..	..
39	Khurai ..	1	0.14	1	0.14	..	..
40	Garhakota ..	1	0.12	13	1.58	..	..
41	Deori ..	1	0.18	5	0.89	..	..
42	Damoh ..	2	0.10	..	..	..	..
	(8) Mandla District						
43	Mandla ..	1	0.13	10	1.25	..	..
	(9) Hoshangabad District						
44	Hoshangabad ..	2	0.16	2	0.16	1	0.08
45	Harda ..	14	0.87	2	0.12	..	..
46	Sohagpur ..	..	..	3	0.37	..	..
47	Itarsi ..	..	..	14	1.19	..	..
48	Seoni-Malwa ..	..	..	1	0.16	..	..
49	Pachmarhi ..	2	0.33	..	..	..	..
50	Piparia ..	..	..	..	..	..	..
51	Narsinghpur ..	3	0.27	..	..	..	..
52	Gadarwara ..	1	0.11	4	0.44	..	..
53	Chhota-Chhindwara ..	..	..	..	..	..	..
54	Kareliganj ..	2	0.86	2	0.86	..	..
	(10) Nimar District						
55	Khandwa ..	12	0.35	22	0.64	..	..
56	Burhanpur ..	2	0.05	3	0.07	1	0.02
	(11) Raipur District						
57	Raipur ..	2	0.04	7	0.15	1	0.02
58	Dhamtari ..	..	..	1	0.09	..	..
59	Bhatapara ..	1	0.15	..	..	..	..
60	Arang ..	..	..	..	..	..	..

causes—*concld.*

Cancer		Deaths from child-birth		Deaths under one year			Infant mortality rate per 1,000 of births
Deaths	Ratio	Deaths	Ratio	Male	Female	Total	
2	0.02	66	10.32	916	760	1,676	264.40
..	..	4	33.61	13	13	26	224.14
..	..	7	6.59	162	112	274	260.21
..	..	6	15.79	49	31	80	217.98
2	0.05	18	7.86	322	310	632	277.02
..	..	..	..	40	34	74	147.41
..	..	1	2.96	35	35	70	208.96
..	..	4	10.44	37	30	67	183.06
..	..	7	19.34	49	22	71	204.61
..	..	1	4.31	21	19	40	177.77
..	..	8	7.48	163	138	301	282.89
..	..	5	10.99	47	56	103	230.94
..	..	6	10.77	73	69	142	256.32
..	..	..	..	115	100	215	320.42
..	..	3	8.50	50	38	88	252.87
..	..	4	12.42	36	39	75	236.59
..	..	..	..	26	20	46	202.64
..	..	1	5.88	17	12	29	171.60
..	..	3	17.14	21	17	38	217.14
..	..	4	7.80	60	36	96	191.24
..	..	3	6.74	50	36	86	196.80
..	..	1	4.37	31	24	55	242.29
..	..	1	28.57	9	2	11	314.29
..	..	14	8.83	220	176	396	261.73
..	..	36	15.40	220	191	411	180.74
1	0.02	21	18.34	197	181	378	194.74
..	..	4	7.81	47	40	87	176.83
..	..	3	24.54	45	28	73	179.66
..	..	8	9.58	26	27	53	249.15

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Malaria		Enteric fevers		Measles	
		Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*contd.*						
	(12) Bilaspur District						
61	Bilaspur ..	361	11.51	..	..	..	..
62	Mungeli ..	104	15.60	..	..	2	0.30
63	Champa ..	95	11.36	..	..	..	..
	(13) Drug District						
64	Drug ..	180	13.67	..	..	2	0.15
	(14) Bhandara District						
65	Bhandara ..	203	12.13	5	0.30	5	0.30
66	Gondia ..	175	11.70	8	0.53	2	0.13
67	Paoni ..	128	10.22	..	..	4	0.32
68	Tumsar ..	104	19.34	1	0.10	1	0.10
	(15) Balaghat District						
69	Balaghat ..	84	8.75	..	..	..	..
	(16) Amraoti District						
70	Amraoti ..	125	2.67	..	..	3	0.06
71	Amraoti Camp ..	59	5.75	..	..	..	..
72	Ellichpur ..	186	6.51	..	..	..	..
73	Badnera ..	137	10.02	..	..	1	0.07
74	Anjangaon ..	144	12.42	..	..	1	0.09
75	Dattapur ..	44	4.49	..	..	..	..
76	Paratwada ..	111	11.33	..	..	..	..
77	Morsi ..	76	7.98	..	..	..	..
78	Warud ..	47	4.70	..	..	..	..
79	Karajgaon ..	66	9.63	..	..	..	..
80	Sirasgaon ..	68	9.88	..	..	..	..
81	Daryapur ..	97	11.34	..	..	..	..
82	Chandur Bazar ..	45	7.15	..	..	1	0.17
83	Pathrot ..	70	13.43	..	..	..	..
	(17) Yeotmal District						
84	Yeotmal ..	259	12.35	6	0.29	..	..
85	Digras ..	1	0.11	..	..	..	..
86	Pusad ..	122	12.37	..	..	..	..
87	Darwha ..	11	1.14	..	..	..	..
88	Wun ..	4	0.32	10	0.79	..	..
89	Umerkhed ..	69	8.67	..	..	..	..
90	Panderkaora ..	109	14.39	1	0.13	..	..
91	Ghatanji ..	53	13.28	6	1.50	..	..

RM No.VI (a)

VERNMENT OF INDIA (DEPARTMENT OF EDUCATION) / (SANITARY) LETTER No 444,

LY 1919—*contd.*

Fevers							
Relapsing fever (spirochaetal)		Kala Azar		Influenza		Cerebro-spinal meningitis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	1	0.12
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	1	0.02	..	..
..	..	..	..	..	..	1	0.10
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	1	0.05	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Fevers—*contd.* Typhus Deaths	Typhus Ratio	Blackwater Deaths	Blackwater Ratio	Undiagnosed fever Deaths	Undiagnosed fever Ratio
	B.—TOWNS—*con*						
	(12) Bilaspur District						
61	Bilaspur	..	..	..	..	..	..
62	Mungeli	..	..	..	..	..	..
63	Champa	..	..	3	0.36	6	0.72
	(13) Drug District						
64	Drug	..	..	..	..	..	..
	(14) Bhandara District						
65	Bhandara	..	..	..	..	5	[illegible]
66	Gondia	..	..	..	..	..	..
67	Paoni	..	..	..	..	..	..
68	Tumsar	..	..	..	..	..	..
	(15) Balaghat District						
69	Balaghat	..	..	..	..	..	..
	(16) Amraoti District						
70	Amraoti	3	0.06	4	0.09	551	11.37
71	Amraoti Camp	..	..	..	..	46	[illegible]
72	Ellichpur	..	..	..	..	..	..
73	Badnera	4	0.29	..	..	..	..
74	Anjangaon	..	..	..	..	..	..
75	Dattapur	..	..	..	..	1	[illegible]
76	Paratwada	2	0.20	..	..	..	..
77	Morsi	..	..	..	..	..	..
78	Warud	..	..	..	..	..	..
79	Karajgaon	..	..	..	..	..	..
80	Sirasgaon	..	..	..	..	..	..
81	Daryapur	..	..	..	..	..	..
82	Chandur Bazar	..	..	..	..	6	[illegible]
83	Pathrot	1	0.19	..	..	2	[illegible]
	(17) Yeotmal District						
84	Yeotmal	1	0.05	..	..	6	[illegible]
85	Digras	..	..	..	..	128	[illegible]
86	Pusad	3	0.30	..	..	..	..
87	Darwha	..	..	..	..	91	[illegible]
88	Wun	..	..	1	0.08	141	[illegible]
89	Umerkhed	..	..	..	..	7	[illegible]
90	Panderkaorn	2	0.26	..	..	..	..
91	Ghatanji	..	..	..	..	..	..

Dysentery and Diarrhoea				Respiratory Diseases			
Dysentery		Diarrhoea		Pneumonia		Pulmonary tuberculosis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
17	0.54	17	0.54	..	..	..	..
25	3.75	6	0.90	..	..	..	..
32	3.83	29	3.47	..	..	1	0.12
10	0.76	43	3.26	1	0.08	1	0.08
6	0.36	37	2.21	30	0.96	2	0.12
8	0.54	11	0.74	3	0.45	..	..
2	0.16	11	0.88	1	0.08	1	0.08
..	..	5	0.50	..	..	..	..
2	..	1	0.10	..	..	..	..
2	0.04	48	1.02	34	0.73	5	0.11
2	0.19	20	1.95	11	1.07	3	0.29
..	..	67	2.34	..	..	..	..
..	..	47	3.44	1	0.07	..	..
1	0.09	49	4.23	2	0.17	..	..
..	..	3	0.31	1	0.10	1	0.10
1	0.10	15	1.53	1	0.10	..	..
..	..	3	0.32	15	1.58	..	..
..	..	14	1.40	2	0.20	..	..
..	..	22	3.21	6	0.88	1	0.15
..	..	27	3.92	1	0.15	..	.
..	..	57	6.66	..	..	..	.
..	..	27	5.31	1	0.17	..	..
..	..	25	4.79	..	..	..	..
..	..	66	3.15	33	1.57	..	..
..	..	5	0.53	..	..	..	..
..	..	22	2.23	1	0.10	..	..
..	..	26	2.69	6	0.62	..	..
..	..	41	3.25	..	..	1	0.13
1	0.13	20	2.51	..	..	..	..
2	0.26	3	0.40	.	..	..	..
..	..	8	2.01	1	0.25		..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO

DATED THE

Serial No.	Districts	Respiratory diseases—*concld.* Whooping cough Deaths	Ratio	Other respiratory diseases Deaths	Ratio	Beri-beri Deaths	Ratio
	B.—TOWNS—*contd.*						
	(12) Bilaspur District						
61	Bilaspur	..	..	..	..	..	
62	Mungeli	3	0.45	5	0.75	..	
63	Champa	..	..	5	0.60	..	
	(13) Drug District						
64	Drug	7	0.53	24	1.82	..	
	(14) Bhandara District						
65	Bhandara	3	0.18	23	1.37	..	
66	Gondia	5	0.33	2	0.13	..	
67	Paoni	5	0.40	23	1.84	..	
68	Tumsar	2	0.20	14	1.39	..	
	(15) Balaghat District						
69	Balaghat	1	0.10	1	0.10	..	
	(16) Amraoti District						
70	Amraoti	15	0.32	150	3.20	..	
71	Amraoti Camp	5	0.49	14	1.36	..	
72	Ellichpur	1	0.03	30	1.05	..	
73	Badnera	23	1.68	3	0.22	..	
74	Anjangaon	12	1.03	9	0.78	..	
75	Dattapur	8	0.82	14	1.43	..	
76	Paratwada	6	0.61	11	1.12	..	
77	Morsi	12	1.26	48	5.04		
78	Warud	2	0.20	2	0.20		
79	Karajgaon	7	1.02	3	0.44	..	
80	Sirasgaon	9	1.31	4	0.58	..	
81	Daryapur	6	0.70	14	1,64	..	
82	Chandur Bazar	1	0.17	8	1.38	..	
83	Pathrot	..	..	3	0,57	..	
	(17) Yeotmal District						
84	Yeotmal	..	..	57	2.72	..	
85	Digras	..	..	7	0.74	..	
86	Pusad	4	0.41	9	0.91	..	
87	Darwha	..	..	18	1 86	..	
88	Wun	..	..	9	0.71	..	
89	Umerkhed	..	..	7	0.88	..	
90	Panderkaora	..	..	3	0.40	..	
91	Ghatanji	1	0.25	3	0.75	..	

FORM No. VI (*a*)

GOVERNMENT OF INDIA (DEPARTMENT OF EDUCATION) (SANITARY) LETTER No. 444,

JULY 1919—contd.

Other causes							
Acute Poliomyelitis		Diphtheria		Chickenpox		Mumps	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	..	..	7	0.19	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	1	0.06	1	0.06	..	..
..	..	..	..	1	0.07	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
1	0.02	..	..	2	0.04	1	0.02
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	1	0.08	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts		Tuberculosis of joints		Other tubercular diseases		Other causes— Leprosy	
			Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*contd.*							
	(12) Bilaspur District							
61	Bilaspur	..	..	..		.03	1	0.03
62	Mungeli	..	..	..	2	0.30	..	..
63	Champa	..	2	0.24	..	..	42	5.02
	(13)Drug District							
64	Drug	..	..	..	1	0.08	1	0.08
	(14) Bhandara District							
65	Bhandara	..	7	0.42	9	0.54	..	..
66	Gondia	..	4	0.27	14	0.94	..	..
67	Paoni	..	..	..	..	..	..	..
68	Tumsar	..	2	0.20	2	0.20	..	..
	(15) Balaghat District							
69	Balaghat	..	..	..	..	..	..	..
	(16) Amraoti District							
70	Amraoti	..	4	0.09	26	0.56	1	0.02
71	Amraoti Camp	..	..	..	3	0.29	..	..
72	Ellichpur	..	..	..	..	..	..	..
73	Badnera	..	1	0.07	3	0.22	..	..
74	Anjangaon	..	6	0.52	2	0.17	..	..
75	Dattapur	..	2	0.20	12	1.22	..	..
76	Paratwada	..	..	..	3	0.31	..	..
77	Morsi	..	2	0.21	2	0.21	..	..
78	Warud	..	..	..	1	0.10	..	..
79	Karajgaon	..	7	1.02	7	1.02	1	0.15
80	Sirasgaon	..	2	0.29	2	0.29	..	..
81	Daryapur	..	1	0.12	1	0.12	1	0.12
82	Chandur Bazar	..	1	0.17	3	0.52	..	..
83	Pathrot	..	3	0.57	..	..	..	..
	(17) Yeotmal District							
84	Yeotmal	..	1	0.05	23	1.10	1	0.05
85	Digras	..	..	..	..	..	..	..
86	Pusad	..	..	..	2	0.20	..	..
87	Darwha	..	..	..	2	0.21	2	0.21
88	Wun	..	..	..	9	0.71	..	..
89	Umerkhed	..	..	..	1	0.13	1	0.11
90	Panderkaora	..	..	..	..	..	..	..
91	Ghatanji	..	..	..	1	0.25	..	..

concld.

Cancer		Deaths from child-birth		Deaths under one year			Infant mortality rate per 1,000 of birth
Deaths	Ratio	Deaths	Ratio	Male	Female	Total	
..	..	9	7.78	127	123	250	227.07
	..	..	..	21	22	43	122.86
	.	5	12.76	45	42	87	227.74
..	.	9	12.95	82	80	162	248 09
..	..	16	21.33	76	53	129	179.67
..	..	13	20.47	67	61	128	203.50
..	..	7	14.20	60	43	103	210.63
..	..	5	11.52	42	29	71	165.89
..	..	1	4.10	13	9	22	90.16
6	0.13	62	23.41	224	199	423	161.70
2	0.20	4	8.58	39	46	85	189.31
..	..	..	..	128	97	225	182.63
..	..	7	10.37	51	43	94	142.21
..	..	13	19.52	53	47	100	151.98
..	..	1	5.88	17	11	28	165.68
..	..	12	31.01	34	31	65	173.33
..	..	6	16.53	15	26	41	118.50
..	..	5	12.69	32	41	73	187.66
..	..	3	11.32	18	24	42	166.01
..	..	7	28.00	25	30	55	228.22
..	..	13	27.60	30	36	66	141.63
..	..	1	4.05	21	16	37	152.26
..	..	3	13.82	28	22	50	230.41
..	..	13	13.23	93	94	187	201.73
..	..	4	11.98	31	15	46	141.98
..	..	6	15.67	33	20	53	139.47
..	..	1	2.77	37	36	73	211.59
..	..	7	14.03	50	48	98	201.23
..	..	4	11.33	34	27	61	180.47
..	..	2	6.25	26	23	49	158.57
	0.25	2	12.66	9	9	18	119.21

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts		Malaria Deaths	Malaria Ratio	Enteric fevers Deaths	Enteric fevers Ratio	Measles Deaths	Measles Ratio
	B.—TOWNS—*contd.*							
	(18) Akola District							
92	Akola	..	157	2.32	11	0.16	..	..
93	Akot	..	258	13.80	..	..	17	0.91
94	Karanja	..	136	8.19	..	..	..	..
95	Basim	..	181	12.56	..	..	2	0.14
96	Balapur	..	74	6.58	..	..	4	0.36
97	Murtizapur	..	36	3.12	..	..	1	0.09
98	Hiwarkhed	..	114	17.27	..	..	..	..
99	Patur	..	91	13.31	..	..	..	..
100	Wadegaon	..	61	10.23	..	..	..	..
101	Mangrul Pir	..	53	8.30	..	..	..	..
102	Barsitakli	..	54	9.90	..	..	..	..
	(19) Buldana District							
103	Buldana	..	71	9.46	..	..	..	..
104	Khamgaon	..	280	11.93	..	..	6	0.2[illegible]
105	Malkapur	..	92	5.24	17	0.97	16	0.91
106	Shegaon	..	198	13.47	..	..	..	..
107	Jalgaon	..	126	12.04	..	..	1	0.10
108	Nandura	..	100	8.92	..	..	..	..
109	Chikhli	..	43	7.53	..	..	1	0.14
110	Mehkar	..	23	3.28	..	..	2	0.29
111	Deolgaon Raja	..	12	2.06	..	..	2	0.34
	Total for the Towns	..	14,261	7.75	328	0.18	546	0.30
	Total for the Rural Circle	..	262,171	17.77	959	0.06	946	0.06
	Total for the Province	..	276,432	16.66	1,287	0.08	1,492	0.09

Fevers							
Relapsing fever (spirochaetal)		Kala Azar		Influenza		Cerebro-spinal meningitis	
Deaths	Ratio	D aths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	2	0.29	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	6	0.26	..	..
..	..	..	..	19	1.08	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
11	0.01	1	..	106	0.06	15	0.01
197	0.01	9	..	130	0.01	6	..
208	0.01	10	..	236	0.01	21	0.001

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO I

DATED THE

Serial No.	Districts		Fevers—*concld.* Typhus Deaths	Typhus Ratio	Blackwater Deaths	Blackwater Ratio	Undiagnosed fever Deaths	Undiagnosed fever Ratio
	B.—TOWNS—*contd.*							
	(18) Akola District							
92	Akola	..	2	0.03	..	..	276	[illegible]
93	Akot	..	..	..	..	..	15	[illegible]
94	Karanja	..	..	..	..	..	2	[illegible]
95	Basim	..	..	..	..	..	..	[illegible]
96	Balapur	..	..	..	..	..	..	[illegible]
97	Murtizapur	..	..	..	..	..	78	[illegible]
98	Hiwarkhed	..	..	..	..	..	..	[illegible]
99	Patur	..	..	..	..	..	..	[illegible]
100	Wadegaon	..	..	..	..	..	..	[illegible]
101	Mangrul Pir	..	..	..	..	..	..	[illegible]
102	Barsitakli	..	..	..	..	..	..	[illegible]
	(19) Buldana District							
103	Buldana	..	..	..	..	..	2	[illegible]
104	Khamgaon	..	..	..	..	..	..	[illegible]
105	Malkapur	..	..	..	..	..	..	[illegible]
106	Shegaon	..	..	..	..	..	..	[illegible]
107	Jalgaon	..	..	..	..	..	..	[illegible]
108	Nandura	..	..	..	..	..	..	[illegible]
109	Chikhli	..	..	..	..	..	..	[illegible]
110	Mehker	..	..	..	..	..	..	[illegible]
111	Deolgaon Raja	..	..	..	..	..	..	[illegible]
	Total for the Towns	..	120	0.07	13	0.01	4,605	[illegible]
	Total for the Rural Circle	..	522	0.04	46	0.003	15,330	[illegible]
	Total for the Province	..	642	0.04	59	0.003	19,935	[illegible]

Dysentery and diarrhoea				Respiratory diseases			
Dysentery		Diarrhoea		Pneumonia		Pulmonary tuberculosis	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
5	0.07	146	2.16	108	1.60	3	0.04
1	0.05	91	4.87	13	0.70	3	0.16
1	0.06	42	2.53	..	..	..	..
1	0.07	35	2.43	6	0.42	3	0.21
..	..	21	1.86	1	0.09	..	..
..	..	26	2.25	4	0.35	..	..
1	0.14	24	3.47	..	..	..	..
..	..	8	1.17	1	0.15	..	..
..	..	32	5.36	..	..	..	..
..	..	13	2.04	..	..	..	..
..	..	14	2.57	..	..	2	0.37
..	..	9	1.20	..	..	..	..
..	..	83	3.54	3	0.13	1	0.05
10	0.57	79	4.50	5	0.28	11	0.62
1	0.07	98	6.67	4	0.27	..	..
..	..	34	3.24	..	..	3	0.29
..	..	50	4.46	..	..	1	0.09
..	..	21	2.98	5	0.71	..	..
..	..	15	2.14	3	0.43	..	..
..	..	18	3.08	21	3.60	..	..
664	0.36	3,975	2.16	1,492	0.81	511	0.28
4,410	0.30	21,386	1.45	2,047	0.14	652	0.04
5,074	0.31	25,361	1.52	3,539	0.21	1,163	0.07

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO

DATED THE 1

Serial No.	Districts		Respiratory diseases—*concld.*				
			Whooping cough		Other respiratory diseases		Beri-beri	
			Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*contd.*							
	(18) Akola District							
92	Akola	..	..	..	156	2.31	..	..
93	Akot	..	6	0.32	24	1.28	..	..
94	Karanja	..	2	0.12	39	2.35	..	..
95	Basim	..	5	0.35	32	2.22	..	..
96	Balapur	..	1	0.09	18	1.60	..	..
97	Murtizapur	..	6	0.52	14	1.21	..	..
98	Hiwarkhed	..	1	0·14	11	1.59	..	..
99	Patur	..	..	..	39	5.70	..	..
100	Wadegaon	..	1	0.17	32	5.36	..	..
101	Mangrulpir	..	..	..	32	5.01	..	..
102	Barsitakli	..	9	1·65	7	1.28	..	..
	(19) Buldana District							
103	Buldana	..	2	0.27	6	0.80	..	..
104	Khamgaon	..	..	..	47	2.00	..	..
105	Malkapur	..	..	..	33	1.88	..	..
106	Shegaon	..	4	0·27	41	2.79	..	..
107	Jalgaon	..	1	0.10	9	0.86	..	..
108	Nandura	..	..	..	15	1.34	..	..
109	Chikhli	..	..	..	20	2.84	..	..
110	Mehker	..	3	0.43	14	2.00	..	..
111	Deolgaon Raja	..	1	0.17	28	4.80	..	..
	Total for the Towns	..	381	0.21	6,427	3.50	3	[illegible]
	Total for the Rural Circle	..	2,352	0.16	30,269	2.05	68	[illegible]
	Total for the Province	..	2,733	0.16	36,696	2.21	71	[illegible]

FORM No. VI (*a*)

GOVERNMENT OF INDIA (DEPARTMENT OF EDUCATION) (SANITARY) LETTER No. 444, JULY 1919—contd.

Other causes							
Acute Poliomyelitis		Diphtheria		Chickenpox		Mumps	
Deaths	Ratio	Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	1	0.06	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	1	0.09	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..
..	..	..	..	1	0.10	1	0.10
..	..	..	..	..	..	..	..
..	..	..	..	1	0.14	..	..
..	..	..	..	1	0.14	..	..
..	..	..	..	..	..	..	..
1	..	7	0.002	143	0.08	50	0.03
4	..	35	0.002	319	0.02	18	0.001
5		42	0.003	462	0.03	68	0.01

DEATHS REGISTERED FROM *SOME SPECIAL DISEASES* REFERRED TO IN

DATED THE 16TH

Serial No.	Districts	Tuberculosis of joints		Other tubercular diseases		Other	
						Leprosy	
		Deaths	Ratio	Deaths	Ratio	Deaths	Ratio
	B.—TOWNS—*concld.*						
	(18) Akola District						
92	Akola ..	2	0.03	121	1.79	4	0.06
93	Akot ..	2	0.11	11	0.59	1	0.05
94	Karanja ..	5	0.30	10	0.60	..	..
95	Basim ..	4	0.28	3	0.21	..	..
96	Balapur ..	2	0.18	..	..	..	..
97	Murtizapur ..	..	..	12	1.04	..	..
98	Hiwarkhed ..	..	..	7	1.01	..	..
99	Patur ..	1	0.15	7	1.02	..	..
100	Wadegaon ..	1	0.17	2	0.34	..	..
101	Mangrul Pir ..	1	0.16	..	..	..	..
102	Barsitakli ..	..	..	3	0.55	..	..
	(19) Buldana District						
103	Buldana ..	..	..	1	0.13	1	0.13
104	Khamgaon ..	..	..	13	0.55	1	0.04
105	Malkapur ..	3	0.17	6	0.34	1	0.06
106	Shegaon ..	9	0.61	9	0.61	..	..
107	Jalgaon ..	1	0.10	5	0.48	1	0.10
108	Nandura ..	..	..	1	0.09	..	..
109	Chikhli ..	..	..	1	0.14	..	..
110	Mehkar ..	2	0.29	3	0.43	..	..
111	Deolgaon Raja ..	..	..	1	0.17	..	..
	Total for the Towns ..	219	0.12	855	0.47	79	0.04
	Total for the Rural Circle ..	1,209	0.08	2,503	0.17	342	0.02
	Total for the Province ..	1,410	0.08	3,358	0.20	421	0.0[illegible]

causes—concld.

Cancer		Deaths from child-birth		Deaths under one year			Infant mortality per 1,000 of birth
Deaths	Ratio	Deaths	Ratio	Male	Female	Total	
2	0.03	2	0.80	295	211	506	211.36
..	..	25	32.85	75	47	122	162.45
..	..	24	32.30	52	42	94	127.89
..	..	8	12.66	73	50	123	197.43
..	..	2	4.58	29	25	54	124.71
..	..	2	4.42	43	43	86	195.01
..	..	2	8.33	29	25	54	233.77
..	..	3	13.82	16	9	25	103.31
..	..	2	8.26	36	26	62	256.20
..	..	4	16.39	17	21	38	162.39
..	..	6	27.27	21	14	35	164.32
..	..	3	11.24	24	21	45	171.76
1	0.04	11	9.94	115	98	213	200.19
1	0.06	4	5.16	94	69	163	217.62
1	0.07	10	14.51	78	59	137	209.48
..	..	6	14.96	30	28	58	148.34
..	..	7	13.11	42	30	72	139.83
..	..	5	17.18	34	23	57	198.61
..	..	1	3.69	21	16	37	144.53
..	..	1	3.43	26	22	48	166.67
90	0.05	1,010	0.55	8,703	7,317	16,020	209.98
34	0·002	4,690	0.32	65,942	56,844	122,786	219.80
124	0.01	5,600	0.34	74,645	64,161	138,806	218.62

DEATHS REGISTERED FROM *CHOLERA* IN THE DISTRICTS OF THE

Serial No.	Districts	Circles of registration: Number in each district	Circles of registration: Number from which deaths from cholera were reported	Villages: Number in each district	Villages: Number from which deaths from cholera were reported
	Nagpur Division				
1	Nagpur	22	8	1,657	14
2	Wardha	12	2	946	2
3	Chanda	21	9	2,391	25
4	Chhindwara	29	1	3,516	2
5	Betul	14	..	1,254	..
	Total	98	20	9,764	43
	Jubbulpore Division				
6	Jubbulpore	25	6	2,386	15
7	Saugor	33	8	3,015	14
8	Mandla	16	2	2,021	6
9	Hoshangabad	25	8	2,338	14
10	Nimar	15	1	1,143	1
	Total	114	25	10,903	50
	Chhattisgarh Division				
11	Raipur	26	3	3,915	3
12	Bilaspur	24	12	3,384	33
13	Drug	19	4	2,576	12
14	Bhandara	15	10	1,502	28
15	Balaghat	12	1	1,225	1
	Total	96	30	12,602	77
	Berar Division				
16	Amraoti	29	13	1,626	116
17	Yeotmal	23	3	1,633	3
18	Akola	24	11	1,503	40
19	Buldana	22	19	1,215	143
	Total	98	46	5,977	302
	Total for the Province	406	121	39,246	472

ORM No. VII

ENTRAL PROVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939

Deaths in						
January	February	March	April	May	June	July
..	..	..	..	..	..	3
..	..	..	..	..	..	..
..	..	12	29	2	..	..
..	..	..	..	..	..	1
..	..	..	..	..	..	..
..	..	12	29	2	..	4
18	1	5	10	11	14	2
2	17	3	4	19	..	..
..	..	..	..	..	..	..
..	1	4	5	8	..	..
..	..	..	..	..	..	..
20	19	12	19	38	14	2
..	..	..	..	..	..	..
14	4	7	7	..	..	12
..	..	..	..	..	..	..
..	1	1	17	15	2	4
..	..	..	..	..	..	1
14	5	8	24	15	2	17
..	..	..	..	..	..	2
..	..	..	..	..	..	..
13	..	..	..	..	..	1
4	..	..	..	..	..	6
17	..	..	..	..	..	9
51	24	32	72	55	16	32

DEATHS REGISTERED FROM *CHOLERA* IN THE DISTRICTS OF THE CENTRAL PRO

Serial No.	District	Deaths in—*concld.*				
		August	September	October	November	December
	Nagpur Division					
1	Nagpur	12	2	..	..	..
2	Wardha	3	..	..	..	..
3	Chanda	8	..	19	..	..
4	Chhindwara	..	..	..	..	..
5	Betul	..	..	..	..	..
	Total	23	2	19	..	..
	Jubbulpore Division					
6	Jubbulpore	2	4	..	11	[illegible]
7	Saugor	..	7	29	17	[illegible]
8	Mandla	6	6	..	..	[illegible]
9	Hoshangabad	..	..	..	..	[illegible]
10	Nimar	1	..	..	..	[illegible]
	Total	9	17	29	28	[illegible]
	Chhattisgarh Division					
11	Raipur	..	..	9	1	[illegible]
12	Bilaspur	4	2	7	9	[illegible]
13	Drug	9	1	..	2	[illegible]
14	Bhandara	1	.	..	..	[illegible]
15	Balaghat	..	..	..	..	[illegible]
	Total	14	3	16	12	[illegible]
	Berar Division					
16	Amraoti	105	116	187	89	[illegible]
17	Yeotmal	..	3	3	..	[illegible]
18	Akola	3	57	45	45	[illegible]
19	Buldana	181	281	62	6	[illegible]
	Total	289	457	297	140	[illegible]
	Total for the Province	335	479	361	180	[illegible]

OVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939—*concld.*

Total			Ratio of deaths per 1,000 of population			
Male	Female	Total	Male	Female	Total	Mean ratio per 1,000 of previous 5 years
9	8	17	0.02	0.02	0.01	1.83
3	..	3	0.01	..	0.01	1.31
34	36	70	0.09	0.09	0.08	1.39
..	1	1	..	..	..	1.45
..	..	..	..	..	..	2.58
46	45	91	0.02	0.02	0.02	1.67
47	31	78	0.11	0.07	0.09	1.06
54	44	98	0.12	0.10	0.11	0.97
6	6	12	0.02	0.02	0.02	0.44
10	8	18	0.02	0.01	0.02	1.92
..	1	1	0.01	0.01	0.01	1.90
117	90	207	0.06	0.05	0.06	1.28
6	4	10	0.01	0.01	0.01	1.16
34	43	77	0.05	0.06	0.05	1.46
8	4	12	0.05	0.01	0.01	1.42
23	18	41	0.05	0.04	0.04	1.38
1	..	1	..	..	..	0.18
72	69	141	0.03	0.02	0.03	1.17
285	227	512	0.56	0.47	0.52	2.19
4	2	6	0.01	..	0.01	1.03
98	66	164	0.21	0.15	0.18	0.72
286	254	540	0.69	0.63	0.66	1.47
673	549	1,222	0.36	0.31	0.34	1.2
908	753	1,661	0.11	0.10	0.10	1.36

DEATHS REGISTERED FROM *SMALLPOX* IN THE DISTRICTS OF THE CENTRAL

Serial No.	Districts		Circles of registration: Number in each district	Circles of registration: Number from which deaths from smallpox were reported	Villages: Number in each district	Villages: Number from which deaths from smallpox were reported
	Nagpur Division					
1	Nagpur	..	22	7	1,657	16
2	Wardha	..	12	3	946	4
3	Chanda	..	21	5	2,391	14
4	Chhindwara	..	29	4	3,516	4
5	Betul	..	14	6	1,254	21
	Total	..	98	25	9,764	59
	Jubbulpore Division					
6	Jubbulpore	..	25	16	2,386	[illegible]
7	Saugor	..	33	11	3,015	[illegible]
8	Mandla	..	16	8	2,021	14
9	Hoshangabad	..	25	15	2,338	[illegible]
10	Nimar	..	15	15	1,143	[illegible]
	Total	..	114	65	10,903	[illegible]
	Chhattisgarh Division					
11	Raipur	..	26	6	3,915	[illegible]
12	Bilaspur	..	24	17	3,384	[illegible]
13	Drug	..	19	6	2,576	[illegible]
14	Bhandara	..	15	..	1,502	..
15	Balaghat	..	12	..	1,225	..
	Total	..	96	29	12,602	[illegible]
	Berar Division					
16	Amraoti	..	29	1	1,626	[illegible]
17	Yeotmal	..	23	..	1,633	..
18	Akola	..	24	1	1,503	[illegible]
19	Buldana	..	22	6	1,215	[illegible]
	Total	..	98	8	5,977	[illegible]
	Total for the Province	..	406	127	39,246	[illegible]

FORM No. VIII

PROVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939

Deaths in						
January	February	March	April	May	June	July
2	..	1	2	..	3	..
..	..	..	..	3	1	..
..	..	..	1	1	..	..
..	..	..	3	6	2	..
..	..	..	..	..	..	..
2	..	1	6	10	6	..
3	7	12	25	29	20	10
..	..	..	..	..	9	7
..	..	..	2	1	..	..
2	11	71	41	27	15	7
5	12	56	80	35	16	4
10	30	139	148	92	60	28
1	..	..	..	..	..	1
..	..	..	..	2	..	..
..	1	..	..	..	..	..
..	..	..	..	..	..	..
..	..	..	..	..	..	..
1	1	..	..	2	..	1
..	..	..	..	2	..	..
..	..	..	..	..	..	..
..	1	..	..	..	..	..
5	1	8	13	20	19	9
5	2	8	13	22	19	9
18	33	148	167	126	85	38

DEATHS REGISTERED FROM *SMALLPOX* IN THE DISTRICTS OF THE CENTRAL

Serial No.	Districts		Deaths in—*concld.*				
			August	September	October	November	December
	Nagpur Division						
1	Nagpur	..	..	2	4	6	25
2	Wardha	..	1	..	..	..	1
3	Chanda	..	..	..	..	..	5
4	Chhindwara	..	..	..	..	1	..
5	Betul	..	1	..	..	1	1
	Total	..	2	2	4	8	32
	Jubbulpore Division						
6	Jubbulpore	..	1	1	..	5	23
7	Saugor	..	..	1	1	1	2
8	Mandla	..	..	2	..	..	..
9	Hoshangabad	..	2	..	8	5	17
10	Nimar	..	2	..	..	3	3
	Total	..	5	4	9	14	45
	Chhattisgarh Division						
11	Raipur	..	..	..	..	..	5
12	Bilaspur	..	2	..	..	1	1
13	Drug	..	..	..	..	..	..
14	Bhandara	..	..	..	..	..	..
15	Balaghat	..	..	..	..	..	..
	Total	..	2	..	..	1	6
	Berar Division						
16	Amraoti	..	..	..	..	..	..
17	Yeotmal	..	..	..	..	..	..
18	Akola	..	..	..	..	..	..
19	Buldana	..	5	2	2	2	2
	Total	..	5	2	2	2	2
	Total for the Province	..	14	8	15	25	85

PROVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939—*concld.*

Total			Number of deaths among children		Ratio of deaths per 1,000 of population			Mean ratio per 1,000 of population
Male	Female	Total	Under one year	One to ten years	Male	Female	Total	
20	25	45	12	27	0.04	0.05	0.04	0.18
6	..	6	2	4	0.02	..	0.01	0.19
3	4	7	..	5	0.01	0.01	0.01	0.13
10	2	12	4	2	0.02	..	0.01	0.05
2	1	3	1	1	0.01	..	0.01	0.12
41	32	73	19	39	0.02	0.02	0.02	0.13
67	69	136	62	52	0.15	0.16	0.16	0.03
16	5	21	12	9	0.03	0.01	0.02	0.12
4	1	5	2	3	0.02	..	0.01	0.17
108	98	206	55	110	0.25	0.24	0.24	0.10
124	92	216	55	82	0.50	0.39	0.45	0.25
319	265	584	186	256	0.23	0.15	0.19	0.12
2	..	2	2	..	..	..	..	0.04
6	4	10	5	5	0.01	0.01	0.01	0.11
2	..	2	..	2	..	..	..	0.04
..	..	..	..	..	..	..	..	0.04
..	..	..	..	..	..	..	..	0.04
10	4	14	7	7	..	..	..	0.06
1	1	2	1	..	..	..	..	0.07
..	..	..	..	..	..	..	..	0.21
1	..	1	..	1	..	..	..	0.10
55	33	88	28	45	0.13	0.08	0.11	0.19
57	34	91	29	46	0.03	0.02	0.02	0.14
427	335	762	241	348	0.06	0.04	0.05	0.11

DEATHS REGISTERED FROM *FEVERS* IN THE DISTRICTS OF THE

Serial No	District		Circles of registration: Number in each district	Circles of registration: Number from which deaths from fevers were reported	Villages: Number in each district	Villages: Number from which deaths from fevers were reported
	Nagpur Division					
1	Nagpur	..	22	22	1,657	1,493
2	Wardha	..	12	12	946	718
3	Chanda	..	21	21	2,391	1,906
4	Chhindwara	..	29	30	3,516	3,135
5	Betul	..	14	13	1,254	1,030
	Total	..	98	98	9,764	8,282
	Jubbulpore Division					
6	Jubbulpore	..	25	23	2,386	2,102
7	Saugor	..	33	33	3,015	2,675
8	Mandla	..	16	16	2,021	1,726
9	Hoshangabad	..	25	25	2,338	2,113
10	Nimar	..	15	15	1,143	1,033
	Total	..	114	112	10,903	9,654
	Chhattisgarh Division					
11	Raipur	..	26	26	3,915	3,440
12	Bilaspur	..	24	24	3,384	3,052
13	Drug	..	19	19	2,576	2,380
14	Bhandara	..	15	14	1,502	1,391
15	Balaghat	..	12	12	1,225	1,242
	Total	..	96	95	12,602	11,505
	Berar Division					
16	Amraoti	..	29	29	1,626	837
17	Yeotmal	..	23	23	1,633	1,497
18	Akola	..	24	24	1,503	1,207
19	Buldana	..	22	22	1,215	957
	Total	..	98	98	5,977	4,498
	Total for the Province	..	406	403	39,246	33,939

FORM No. IX

CENTRAL PROVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939

Deaths in

January	February	March	April	May	June	July
1,445	1,178	1,316	1,056	1,364	823	780
665	494	642	576	563	304	264
1,066	920	1,025	882	905	696	673
1,608	1,390	1,765	1,609	1,749	1,500	1,232
520	455	580	563	562	387	252
5,304	4,437	5,328	4,686	5,143	3,710	3,201
887	856	1,178	1,195	1,465	1,193	1,005
1,859	1,608	1,887	1,842	2,175	1,992	1,805
712	557	696	639	890	1,004	868
1,719	1,530	1,991	1,637	1,787	1,352	970
1,300	1,329	1,723	1,173	1,128	671	508
6,477	5,880	7,475	6,486	7,445	6,212	5,156
1,618	1,336	1,666	2,025	3,331	2,511	2,025
2,002	1,520	1,824	1,657	3,327	2,761	2,182
1,144	878	1,023	1,321	2,403	1,751	1,424
1,161	850	1,063	1,074	1,379	954	840
850	761	864	992	1,345	1,010	788
6,775	5,345	6,440	7,069	11,785	8,987	7,259
807	692	1,010	951	1,013	565	490
1,538	1,211	1,530	1,297	1,277	766	798
1,043	912	1,240	1,101	926	541	523
644	583	737	884	731	395	431
4,032	3,398	4,517	4,233	3,947	2,267	2,242
22,588	19,060	23,760	22.474	28,320	21,176	17,858

DEATHS REGISTERED FROM *FEVERS* IN THE DISTRICTS OF THE CENTRAL

Serial No.	District		Deaths in —*concld.* August	September	October	November	December
	Nagpur Division						
1	Nagpur	..	1,037	1,135	1,570	1,627	1,615
2	Wardha	..	379	447	619	646	612
3	Chanda	..	934	1,080	1,659	1,623	1,464
4	Chhindwara	..	1,452	2,139	2,460	2,756	2,279
5	Betul	..	349	529	629	726	708
	Total	..	4,151	5,330	6,937	7,378	6,678
	Jubbulpore Division						
6	Jubbulpore	..	1,226	1,805	2,097	2,510	1,720
7	Saugor	..	2,056	2,849	3,091	3,410	2,695
8	Mandla	..	899	1,156	1,182	1,347	1,056
9	Hoshangabad	..	1,143	1,899	2,411	2,794	1,946
10	Nimar	..	682	767	870	948	1,017
	Total	..	6,006	8,476	9,651	11,009	8,434
	Chhattisgarh Division						
11	Raipur	..	2,571	2,563	2,708	2,778	2,592
12	Bilaspur	..	2,433	2,511	2,506	2,436	3,121
13	Drug	..	1,811	1,945	2,087	2,213	1,917
14	Bhandara	..	1,143	1,414	1,674	1,883	1,675
15	Balaghat	..	1,062	1,158	1,305	1,468	1,520
	Total	..	9,020	9,591	10,280	10,778	10,825
	Berar Division						
16	Amraoti	..	670	788	1,065	1,151	954
17	Yeotmal	..	1,179	1,384	1,811	1,707	1,600
18	Akola	..	737	819	1,016	1,154	943
19	Buldana	..	615	666	675	863	745
	Total	..	3,201	3,657	4,567	4,875	4,242
	Total for the Province	..	22,378	27,054	31,435	34,040	30,179

PROVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939—*concld*

Total			Ratio of deaths per 1,000 of population			
Male	Female	Total	Male	Female	Total	Mean ratio per 1,000 of population
7,815	7,131	14,946	15.09	14.42	14.76	17.27
3,241	2,970	6,211	11.66	10.89	11.28	12.49
6,781	6,146	12,927	16.08	14.65	15.37	15.15
11,196	10,743	21,939	21.94	20.41	21.16	21.54
3,290	2,970	6,260	15.66	13.63	14.63	16.04
32,323	29,960	62,283	16.68	15.52	16.10	16.60
8,730	8,407	17,137	19.94	19.55	19.75	16.32
14,280	12,989	27,269	30.49	28.78	29.65	25.23
5,779	5,227	11,006	23.28	20.67	21.97	19.45
10,918	10,261	21,179	25.63	24.54	25.09	26.51
6,655	5,461	12,116	26.87	23.02	14.35	31.95
46,362	42,345	88,707	25.36	23.66	24.52	22.85
14,351	13,373	27,724	19.74	17.08	18.36	20.99
14,903	13,377	28,280	20.21	17.17	18.65	20.52
10,257	9,660	19,917	23.86	20.50	22.10	24.72
7,931	7,179	15,110	17.36	15·43	16.39	18.90
7,162	5,961	13,123	24.00	19·09	21.49	20.72
54,604	49,550	104,154	20.61	17.63	19.07	21.34
5,371	4,785	10,156	10.57	9.94	10.26	13.12
8,512	7,586	16,098	18.18	16.64	17.42	17.57
5,626	5,329	10,955	12.12	12.08	12.10	12.66
4,132	3,837	7,969	9.92	9.47	9.70	11.22
23,641	21,537	45,178	12.73	12.08	12.41	12.75
156,930	143,392	300,322	18.97	17.25	18.11	19.15

DEATHS REGISTERED FROM *DYSENTERY* AND *DIARRHŒA* IN THE DISTRICTS

YEAR

Serial No.	District		Circles of registration: Number in each district	Circles of registration: Number from which deaths from dysentery and diarrhœa were reported	Villages: Number in each district	Villages: Number from which deaths from dysentery and diarrhœa were reported
	Nagpur Division					
1	Nagpur	..	22	22	1,657	144
2	Wardha	..	12	5	946	48
3	Chanda	..	21	19	2,391	299
4	Chhindwara	..	29	25	3,516	216
5	Betul	..	14	12	1,254	123
	Total	..	98	83	9,764	830
	Jubbulpore Division					
6	Jubbulpore	..	25	18	2,386	483
7	Saugor	..	33	32	3,015	379
8	Mandla	..	16	15	2,021	196
9	Hoshangabad	..	25	21	2,338	186
10	Nimar	..	15	13	1,143	72
	Total	..	114	99	10,903	1,316
	Chhattisgarh Division					
11	Raipur	..	26	26	3,915	571
12	Bilaspur	..	24	24	3,384	681
13	Drug	..	19	17	2,576	97
14	Bhandara	..	15	12	1,502	207
15	Balaghat	..	12	4	1,225	41
	Total	..	96	83	12,602	1,597
	Berar Division					
16	Amraoti	..	29	29	1,626	1,253
17	Yeotmal	..	23	20	1,633	392
18	Akola	..	24	15	1,503	357
19	Buldana	..	22	21	1,215	690
	Total	..	98	85	5,977	2,692
	Total for the Province	..	406	350	39,246	6,435

FORM No. X

OF THE CENTRAL PROVINCES AND BERAR DURING EACH MONTH OF THE

1939

Deaths in						
January	February	March	April	May	June	July
89	88	73	75	66	27	64
174	122	137	103	78	47	72
56	26	52	32	49	21	36
38	48	61	46	45	25	85
37	25	38	30	21	18	15
394	309	361	286	259	138	272
150	121	137	156	182	160	155
78	55	80	73	56	74	97
20	18	22	27	33	18	38
121	86	135	105	81	62	90
30	32	22	12	22	15	29
399	312	396	373	374	329	409
87	87	76	135	169	118	136
151	89	128	100	130	95	188
37	24	33	50	87	74	81
11	13	17	22	22	13	20
5	6	5	12	13	11	16
291	219	259	319	421	311	441
391	360	411	289	244	210	278
172	145	168	150	103	65	101
450	331	456	310	281	171	291
229	196	226	226	124	106	273
1,242	1,032	1,261	975	752	552	943
2,326	1,872	2,277	1,953	1,806	1,330	2,065

DEATHS REGISTERED FROM *DYSENTERY* AND *DIARRHŒA* IN THE DISTRICTS
YEAR

Serial No.	District		Deaths in—*concld.* August	September	October	November	December
	Nagpur Division						
1	Nagpur	..	141	146	188	133	67
2	Wardha	..	161	196	273	235	138
3	Chanda	..	84	102	73	114	59
4	Chhindwara	..	182	247	131	95	62
5	Betul	..	36	58	56	37	14
	Total	..	604	749	721	614	340
	Jubbulpore Division						
6	Jubbulpore	..	267	336	321	240	163
7	Saugor	..	147	216	174	134	83
8	Mandla	..	56	104	70	50	19
9	Hoshangabad	..	134	195	190	145	52
10	Nimar	..	56	49	29	23	17
	Total		660	900	784	592	334
	Chhattisgarh Division						
11	Raipur	..	249	224	128	89	88
12	Bilaspur	..	244	237	134	128	157
13	Drug	..	182	127	113	59	49
14	Bhandara	..	47	52	38	26	14
15	Balaghat	..	45	30	18	17	6
	Total	..	767	670	431	319	314
	Berar Division						
16	Amraoti	..	447	548	507	471	371
17	Yeotmal	..	237	340	378	269	186
18	Akola	..	561	637	612	422	384
19	Buldana	..	451	427	325	279	155
	Total	..	1,696	1,952	1,822	1,441	1,096
	Total for the Province	..	3,727	4,271	3,758	2,966	2,084

RM No. X

THE CENTRAL PROVINCES AND BERAR DURING EACH MONTH OF THE

39—*concld.*

Total			Ratio of deaths per 1,000 of population			
Male	Female	Total	Male	Female	Total	Mean ratio per 1,000 of population
580	577	1,157	1.12	1.17	1.14	1.60
863	873	1,736	3.11	3.20	3.15	3.88
360	344	704	0.85	0.82	0.84	1.73
569	496	1,065	1.11	0.94	1.03	1.42
200	185	385	0.95	0.85	0.90	1.85
2,572	2,475	5,047	1.33	1.28	1.30	2.01
1,232	1,156	2,388	2.81	2.69	2.75	2.24
660	607	1,267	1.41	1.34	1.38	1.23
254	221	475	1.02	0.87	0.95	0.82
730	666	1,396	1.71	1.59	1.65	2.13
180	156	336	0.73	0.66	0.69	1.12
3,056	2,806	5,862	1.67	1.57	1.62	1.61
918	668	1,586	1.26	0.98	1.05	1.44
970	811	1,781	1.31	1.04	1.17	1.66
498	418	916	1.16	0.89	1.02	1.29
151	144	295	0.33	0.31	0.32	0.60
115	69	184	0.39	0.22	0.30	0.41
2,652	2,110	4,762	1.00	0.75	0.87	1.22
2,319	2,208	4,527	4.56	4.59	4.58	6.49
1,193	1,121	2,314	2.55	2.46	2.50	3.84
2,480	2,426	4,906	5.34	5.50	5.42	7.38
1,446	1,571	3,017	3.47	3.88	3.67	4.98
7,438	7,326	14,764	4.00	4.11	4.06	5·72
15,718	14,717	30,435	1.90	1.77	1.83	2.50

STERED FROM *RESPIRATORY DISEASES* IN THE DISTRICTS
YEAR

Serial No.	District		Circles of registration: Number in each district	Circles of registration: Number from which deaths from respiratory diseases were reported	Villages: Number in each district	Villages: Number from which deaths from respiratory diseases were reported
	Nagpur Division					
1	Nagpur	..	22	22	1,657	377
2	Wardha	..	12	12	946	591
3	Chanda	..	21	19	2,391	333
4	Chhindwara	..	29	30	3,516	656
5	Betul	..	14	13	1,254	651
	Total	..	98	96	9,764	2,608
	Jubbulpore Division					
6	Jubbulpore	..	25	22	2,386	1,706
7	Saugor	..	33	33	3,015	1,346
8	Mandla	..	16	16	2,021	212
9	Hoshangabad	..	25	10	2,338	132
10	Nimar	..	15	15	1,143	472
	Total	..	114	96	10,903	3,868
	Chhattisgarh Division					
11	Raipur	..	26	6	3,915	59
12	Bilaspur	..	24	24	3,384	595
13	Drug	..	19	19	2,576	285
14	Bhandara	..	15	14	1,502	381
15	Balaghat	..	12	4	1,225	18
	Total	..	96	67	12,602	1,338
	Berar Division					
16	Amraoti	..	29	28	1,626	579
17	Yeotmal	..	23	23	1,633	526
18	Akola	..	24	19	1,503	802
19	Buldana	..	22	22	1,215	682
	Total	..	98	92	5,977	2,589
	Total for the Province	..	406	351	39,246	10,403

ORM No. XI

F THE CENTRAL PROVINCES AND BERAR DURING EACH MONTH OF THE
39

Deaths in—

January	February	March	April	May	June	July
357	297	315	282	304	173	209
180	137	168	125	149	87	94
78	32	44	44	51	34	31
200	192	187	170	166	132	106
257	223	277	254	205	170	124
1,072	881	991	875	875	596	564
783	758	851	683	885	807	841
459	371	446	346	337	357	361
81	72	43	28	30	35	30
95	87	130	61	94	52	53
266	274	334	199	158	106	110
1,684	1,562	1,804	1,317	1,504	1,357	1,395
131	113	109	133	176	121	164
101	79	120	94	190	120	109
52	37	51	28	34	29	28
100	78	87	65	65	49	49
17	18	19	9	18	19	7
401	325	386	329	483	338	357
265	231	229	223	193	108	114
176	168	136	133	131	71	95
313	279	323	326	233	122	146
299	276	331	325	252	121	169
1,053	954	1,019	1,007	809	422	524
4,210	3,662	4,200	3,528	3,671	2,713	2,840

DEATHS REGISTERED FROM *RESPIRATORY DISEASES* IN THE DISTRICTS
YEAR

Serial No	District		August	September	October	November	December
			Deaths in—*concld.*				
	Nagpur Division						
1	Nagpur	..	239	270	271	315	310
2	Wardha	..	116	123	142	126	178
3	Chanda	..	42	41	29	52	70
4	Chhindwara	..	98	110	151	179	215
5	Betul	..	115	143	178	204	239
	Total	..	610	687	771	876	1,012
	Jubbulpore Division						
6	Jubbulpore	..	972	1,108	1,125	1,331	989
7	Saugor	..	326	445	414	553	521
8	Mandla	..	37	36	54	59	66
9	Hoshangabad	..	46	70	73	83	94
10	Nimar	..	142	122	142	130	203
	Total	..	1,523	1,781	1,808	2,156	1,873
	Chhattisgarh Division						
11	Raipur	..	133	152	130	158	132
12	Bilaspur	..	131	87	95	117	131
13	Drug	..	54	54	47	37	46
14	Bhandara	..	57	72	54	62	83
15	Balaghat	..	8	20	10	11	16
	Total	..	383	385	337	385	408
	Berar Division						
16	Amraoti	..	123	210	222	250	240
17	Yeotmal	..	95	84	83	123	139
18	Akola	..	192	240	251	288	315
19	Buldana	..	205	248	285	329	330
	Total	..	615	782	841	990	1,024
	Total for the Province		3,131	3,635	3,757	4,407	4,317

RM No. XI

THE CENTRAL PROVINCES AND BERAR DURING EACH MONTH OF THE

—concld.

Total			Ratio of deaths per 1,000 of population			Mean ratio per 1,000 of population
Male	Female	Total	Male	Female	Total	
1,921	1,421	3,342	3·75	2.87	3.30	3.14
969	656	1,625	3.48	2.40	2.95	3.46
340	208	548	0·81	0.50	0.65	1.00
1,243	663	1,906	2.44	1.26	1.48	2.09
1,460	929	2,389	6.95	4.26	5.58	6.02
5,933	3,877	9,810	3.06	2.01	2.54	2.78
6,008	5,125	11,133	13.72	11.92	12.83	12.74
2,785	2,151	4,936	5.95	4.77	5.39	6.05
363	208	571	1.46	0.82	1.14	1.43
627	311	938	1.47	0.74	1.11	1.17
1,298	888	2,186	5.24	3.74	4.51	5.20
11,081	8,683	19,764	6.06	4.85	5.46	5.68
1,134	518	1,652	1.56	0.66	1.10	1.22
876	499	1,375	1.19	0.64	1.91	1.22
340	157	497	0.79	0.33	0.55	0.79
515	306	821	1.13	0.66	1.89	0.98
128	44	172	0.43	0.14	0.28	0.39
2,993	1,524	4,517	1·13	0.54	0.83	1.03
1,389	1,019	2,408	2.73	2.12	2.43	3.17
847	587	1,434	1.81	1.29	1·55	2.08
1,785	1,243	3,028	3.85	2.82	3·35	4.12
1,791	1,379	3,170	4.30	3.40	3.86	4.62
5,812	4,228	10,040	3.13	2·37	2.76	3.46
25,819	18,312	44,131	3.12	2.20	2·66	2.99

DEATHS REGISTERED FROM *PLAGUE* IN THE DISTRICTS OF T

Serial No.	District		Circle of registration: Number in each district	Circle of registration: Number from which deaths from plague were reported	Villages: Number in each district	Villages: Number from which deaths from plague were reported
	Nagpur Division					
1	Nagpur	..	22	..	1,657	..
2	Wardha	..	12	..	946	..
3	Chanda	..	21	..	2,391	..
4	Chhindwara	..	29	8	3,516	1
5	Betul	..	14	4	1,254	5
	Total	..	98	12	9,764	20
	Jubbulpore Division					
6	Jubbulpore	..	25	15	2,386	104
7	Saugor	..	33	17	3,015	65
8	Mandla	..	16	4	2,021	15
9	Hoshangabad	..	25	6	2,338	51
10	Nimar	..	15	..	1,143	..
	Total	..	114	42	10,903	185
	Chhattisgarh Division					
11	Raipur	..	26	..	3,915	..
12	Bilaspur	..	24	..	3,384	..
13	Drug	..	19	..	2,576	..
14	Bhandara	..	15	..	1,502	..
15	Balaghat	..	12	1	1,225	1
	Total	..	96	1	12,602	1
	Berar Division					
16	Amraoti	..	29	..	1,626	..
17	Yeotmal	..	23	1	1,633	1
18	Akola	..	24	..	1,503	..
19	Buldana	..	22	..	1,215	..
	Total	..	98	1	5,977	1
	Total for the Province	..	406	56	39,246	207

FORM No. XII

CENTRAL PROVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939

	Deaths in—						
	January	February	March	April	May	June	July
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	9	2	5	3	..	..	..
	..	..	..	..	..	..	..
	9	2	5	3	..	..	..
	22	75	97	71	8	..	.
	42	64	55	47	..	..	.
	1	..	4	2	..	..	..
	30	51	49	50	..	..	..
	..	..	..	..	..	..	..
	95	190	205	170	8	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	..	..	..	..	..	..	..
	104	192	210	173	8	..	..

DEATHS REGISTERED FROM *PLAGUE* IN THE DISTRICTS OF THE CENTRAL

Serial No.	District		Deaths in—*concld.* August	September	October	November	Decemb
	Nagpur Division						
1	Nagpur	..	..	..	..	..	..
2	Wardha	..	..	..	..	..	..
3	Chanda	..	..	..	..	..	..
4	Chhindawara	..	..	..	2	8	..
5	Betul	..	2	4	4	5	4
	Total	..	2	4	6	13	4
	Jubbulpore Division						
6	Jubbulpore	..	7	3	13	6	3
7	Saugor	..	..	5	1	1	5
8	Mandla	..	6	20	8	7	1
9	Hoshangabad	..	2	6	11	16	6
10	Nimar	..	..	..	..	..	..
	Total	..	15	34	33	30	15
	Chhattisgarh Division						
11	Raipur	..	..	..	..	..	..
12	Bilaspur	..	..	..	..	..	.
13	Drug	..	..	..	..	..	..
14	Bhandara	..	..	..	..	..	..
15	Balaghat	..	..	..	..	..	2
	Total	..	..	..	..	..	2
	Berar Division						
16	Amraoti	..	..	..	..	..	..
17	Yeotmal	..	..	..	..	..	7
18	Akola	.	..	..	..	..	..
19	Buldana	..	..	..	..	..	..
	Total	..	..	..	..	..	7
	Total for the Province	..	17	38	39	43	28

PROVINCES AND BERAR DURING EACH MONTH OF THE YEAR 1939—*concld.*

Total			Ratio of deaths per 1,000 of population			
Male	Female	Total	Male	Female	Total	Mean ratio per 1,000 of population
..	..	..	..	..	..	0·06
..	..	..	..	..	..	..
..	..	..	..	..	..	..
20	9	29	0.04	0.02	0.01	0.13
2	17	19	0·01	0·08	0·04	..
22	26	48	0.01	0.01	0.01	0.05
129	176	305	0.29	0.41	0.35	0.13
92	128	220	0.20	0.28	0.24	0.02
28	21	49	0.11	0.08	0.10	0.01
95	126	221	0.22	0.30	0.26	0.71
..	..	..	..	..	..	0.03
344	451	795	0.11	0.25	0.14	0.15
..	..	..	..	..	..	..
..	..	..	..	..	..	..
..	..	..	..	..	..	..
..	..	..	..	..	..	..
..	2	2	..	..	..	..
..	2	2	..	..	..	..
..	..	..	..	..	..	..
3	4	7	0.01	0.01	0.01	0.06
..	..	..	..	..	..	..
..	..	..	..	..	..	..
3	4	7	..	..	..	0.01
369	483	852	0.04	0.06	0.05	0.05

STATEMENT No. I.—SHOWING THE PARTICULARS OF VACCINATION IN
YEAR

Serial No.	Name of town	Estimated population 1939.	Number of vaccinators employed throughout the year	Total number of persons vaccinated		
				Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Nagpur ..	1,012,447	26	78,594	46,828	125,422
2	Wardha ..	550,751	13	16,052	10,050	26,102
3	Chanda ..	841,236	18	19,187	14,075	33,262
4	Chhindwara ..	1,036,845	24	20,854	19,282	40,136
5	Betul ..	427,960	11	9,982	5,537	15,519
6	Jubbulpore ..	867,718	19	18,825	16,120	34,945
7	Saugor ..	919,678	25	21,460	16,712	38,172
8	Mandla ..	501,035	11	9,686	5,983	15,669
9	Hoshangabad ..	844,034	21	21,632	15,164	36,796
10	Nimar ..	484,967	11	13,198	9,062	22,260
11	Raipur ..	1,510,064	26	31,561	24,769	56,330
12	Bilaspur ..	1,516,529	20	24,737	23,020	47,757
13	Drug ..	901,165	16	18,318	15,113	33,431
14	Bhandara ..	922,137	15	30,911	18,555	49,466
15	Balaghat ..	610,696	8	13,575	8,820	22,395
16	Amraoti ..	989,458	22	22,618	16,872	39,490
17	Yeotmal ..	924,046	23	20,911	15,253	36,164
18	Akola ..	905,157	20	19,426	14,093	33,519
19	Buldana ..	821,822	18	29,630	18,085	47,715
	Total district vaccination ..	16,587,745	347	441,157	313,393	754,550
	Total dispensary vaccination ..	..	..	..	..	4,490
	By other agencies ..	..	..	..	..	21,433
	Central Provinces Vaccine Institute, Nagpur	..	..	..	..	..
	Grand Total ..	..	347	..	..	780,473

NOTE.—(1) Column (14) "Revaccination" includes the vaccination of all persons
(2) Difference of 273 between the number of primary vaccinations and
vaccinated [total column (6) represents

HE DISTRICTS OF THE CENTRAL PROVINCES AND BERAR DURING THE
39-40

Average number of persons vaccinated by each vaccinator	Primary vaccination				
	Total	Successful			Unknown
		Under one year	One and under six years	Total of all ages	
(8)	(9)	(10)	(11)	(12)	(13)
4 824	32,002	21,200	6,370	27,642	3,215
2,003	13,286	10,923	1,982	12,905	200
1,848	25,740	17,014	6,156	23,825	1,728
1,672	28,823	23,578	4,234	27,815	802
1,411	11,583	7,554	2,539	10,093	1,451
1,839	26,491	20,072	3,871	23,996	2,012
1,527	31,481	20,442	6,363	26,734	4,415
1,424	11,229	8,389	2,101	10,578	543
1,752	26,139	18,315	4,924	23,277	1,769
2,024	15,451	13,312	1,060	14,403	829
2,128	44,964	35,493	7,764	43,257	1,156
2,388	43,734	33,355	8,864	42,301	1,282
2,089	29,295	24,157	4,324	28,481	565
3,298	27,639	21,894	4,970	27,000	469
2,799	15,429	10,580	3,797	14,387	1,000
1,795	27,725	21,786	3,325	25,565	933
1,572	28,028	18,481	3,362	21,843	2,954
1,676	27,651	17,250	4,968	22,506	2,817
2,651	27,199	20,542	4,144	25,383	560
2,174	493,889	364,337	85,118	451,991	28,700
..	95	27	13	50	46
..	1,966	349	1,429	1,772	54
..	50	..	..	..	..
2,249	495,950	364,713	86,560	453,813	28,800

who bear marks of previous vaccination or of smallpox.
revaccinations performed [total columns (9) and (14)] and the total number of persons
secondary operations].

27

STATEMENT No. I.—SHOWING THE PARTICULARS OF VACCINATION IN
YEAR

Serial No.	Name of town	Revaccination		
		Total	Successful	Unknown
(1)	(2)	(14)	(15)	(16)
1	Nagpur ..	93,424	23,521	46,772
2	Wardha ..	12,816	4,366	4,417
3	Chanda ..	7,525	4,156	2,021
4	Chhindwara ..	11,313	6,040	1,657
5	Betul ..	3,936	1,931	1,105
6	Jubbulpore ..	8,454	2,000	2,472
7	Saugor ..	6,596	1,711	1,990
8	Mandla ..	4,440	2,711	691
9	Hoshangabad ..	10,657	4,035	2,571
10	Nimar ..	6,836	4,413	1,166
11	Raipur ..	11,366	7,457	1,974
12	Bilaspur ..	4,023	1,434	2,197
13	Drug ..	3,136	3,308	327
14	Bhandara ..	21,919	9,053	6,792
15	Balaghat ..	6,966	4,606	1,516
16	Amraoti ..	11,879	3,916	2,959
17	Yeotmal ..	8,792	4,071	1,778
18	Akola ..	6,266	1,476	2,155
19	Buldana ..	20,590	6,376	3,601
	Total district vaccination ..	260,934	96,581	88,161
	Total dispensary vaccination ..	4,395	154	598
	By other agencies ..	19,467	7,935	9,531
	Central Provinces Vaccine Institute, Nagpur	..	..	..
	Grand Total ..	284,796	104,670	98,290

HE DISTRICTS OF THE CENTRAL PROVINCES AND BERAR DURING THE
39-40—*concld.*

Percentage of successful cases in which the results were known		Persons successfully vaccinated per 1,000 of population	Total cost of vaccination department	Number of all successful vaccinations and revaccinations performed by the vaccination staff only	Average cost of each successful case performed by the vaccination staff
Primary	Revaccination				
(17)	(18)	(19)	(20)	(21)	(22)
			Rs. a. p.		Rs. a. p
96.02	50·42	50.53	16,421 14 11	51,163	0 5 2
98.62	50.98	31.36	5,876 12 6	17,271	0 5 5
99.22	75.51	33.26	8,672 15 0	27,981	0 5 0
99.26	62.55	32.65	5,039 13 6	33,855	0 2 5
99.62	68.21	28.10	4,876 9 3	12,024	0 6 0
98.03	33.43	29.96	11,348 9 9	25,966	0 7 0
98.77	37.15	30.93	11,590 1 6	28,445	0 6 6
98.99	72.31	26.52	5,674 11 0	13,289	0 6 10
95.51	49.90	32.36	9,956 15 4	27,312	0 5 10
98.50	77.83	38.80	6,571 8 3	18,816	0 5 7
98.74	79.40	33.58	18,627 11 4	50,714	0 5 11
99.64	78.53	28.84	11,257 4 3	43,735	0 4 1
99.13	117.26	35.28	9,264 0 3	31,789	0 4 8
99.37	59.84	39.10	9,056 13 0	36,053	0 4 0
99.71	84.51	31.11	4,379 9 3	18,993	0 3 8
95.42	43.90	29.80	12,690 13 1	29,481	0 6 11
87.11	58.04	28.04	10,859 3 6	25,914	0 6 8
90.63	35.91	26.49	10,376 13 3	23,982	0 6 11
95.29	37.53	38.64	11,528 0 0	31,759	0 6 0
97.16	55.90	33.07	1,84,070 2 11	548,542	0 5 4
102.04	4.06	..	..	204	..
92.68	42.05	..	..	9,707	..
..	..	..	24,635 0 5	..	..
97.14	56.12	33.67	2,08,705 3 4	558,453	0 6 0

	Total number of persons vaccinated		Total number of operations performed		Percentage of successful cases in which results were known	
	Primary	Revaccination	Primary	Revaccination	Primary	Revaccination
By special staff ..	493,616	260,934	493,889	260,934	97.16	55.90
Districts excluding towns ..	95	4,395	95	4,395	..	..
Towns ..	1,966	19,467	1,966	19,467	..	..
Total ..	495,677	284,796	495,950	284,796	97.14	56.12

Average number of persons vaccinated by each vaccinator: Vaccinators employed	Average number of persons vaccinated by each vaccinator: Persons vaccinated by each vaccinator	Number of children successfully vaccinated: Under one year	Number of children successfully vaccinated: One and under six years	Ratio of successful vaccination per 1,000 of population	Total cost of Department	Number of all successful vaccinations performed	Average cost of each successful case
					Rs. a. p.		Rs. a. p.
347	2,174	364,337	85,118	33.07	1,84,070 2 11	548,542	0 5 4
..	..	27	13	..	..	204	..
..	..	349	1,429	..	..	9,707	..
347	2,249	364,713	86,560	33.67	2,08,705 3 4	558 452	0 6 0

STATEMENT No. III.—SHOWING DISPENSARY VACCINATION IN THE

District	Number of dispensaries in each district to which a vaccinator is attached	Average number of vaccinators attached to dispensaries during the year	Total number of persons vaccinated	Average number of persons vaccinated by each vaccinator	Primary	
					Total	Under one year
Nagpur (Central Jail)..	..	..	2,262	..	11	9
Wardha	..	..	..	..	..	..
Chanda	..	..	..	..	..	..
Chhindwara	..	..	..	..	..	..
Betul	..	..	..	..	..	..
Jubbulpore	..	..	..	..	..	..
Saugor	..	..	..	..	..	..
Mandla	..	..	..	..	..	..
Hoshangabad	..	..	..	..	..	..
Nimar	..	..	..	..	..	..
Raipur (Jail)	..	..	1,124	..	15	9
Bilaspur	..	..	..	..	..	..
Drug	..	..	..	..	..	..
Bhandara	..	..	..	..	..	..
Balaghat	..	..	..	..	..	..
Amraoti	..	..	712	..	52	..
Yeotmal	..	..	385	..	10	4
Akola	..	..	7	..	7	5
Buldana	..	..	..	..	..	..
Total ..	..	..	4,490	..	95	27

VACCINATION

CENTRAL PROVINCES AND BERAR DURING THE YEAR 1939-40

Vaccination			Revaccination			Percentage of successful cases in which the results were known		Percentage of unknown cases to total cases	
Successful									
One and under six years	Total of all ages	Unknown	Total	Successful	Unknown	Primary	Re-vaccination	Primary	Re-vaccination
2	11	..	2,251	89	..	100·00	3.95	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
.	..	..	..	..	..	..	..	..	..
6	15	..	1,109	..	3	100·00	0.27	..	20.00
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
..	6	46	660	..	62	598	100.00	100.00	88.46
3	7	..	375	..	..	..	70.00	..	..
2	7	..	..	..	..	..	100.00	..	..
..	..	..	..	..	..	..	..	..	..
13	46	46	4,395	89	65	81.63	4.06	48.42	3.50

COMPARATIVE STATEMENT No. IV—SHOWING THE NUMBER OF SUCCESS FULLY VACCINATED IN THE CENTRAL PROVINCES AND

Establishment	Persons primarily					
	Total number	Number successfully vaccinated	Total number	Number successfully vaccinated	Total number	Number successfully vaccinated
	Year ending					
	1930		1931		1932	
Government ..	..	..	..	..	..	..
Municipal ..	48,533	40,252	45,896	40,683	48,069	43,351
Local and District Fund ..	468,530	402,900	462,611	403,478	481,384	419,785
Dispensaries ..	1,705	1,182	428	345	430	372
Others ..	2,331	2,314	2,703	2,390	2,584	2,496
Army ..	..	..	..	..	..	..
Europeans ..	..	..	..	..	..	..
Natives ..	..	..	..	..	..	..
Total ..	521,099	446,648	511,638	446,896	532,467	466,004

Establishment			Persons primarily			
			Total number	Number successfully vaccinated	Total number	Number successfully vaccinated
			Year ending			
			1936		1937	
Government	..	..	..	..	..	..
Municipal	..	..	60,661	56,819	57,715	53,865
Local and District Fund	..	..	501,222	464,937	470,187	436,541
Dispensaries	..	..	315	273	151	151
Others	..	..	3,638	3,292	1,337	1,074
Army	..	..	..	..	..	..
Europeans	..	..	..	..	..	..
Natives	..	..	..	..	..	..
Total		..	565,836	525,321	529,390	491,631

PERSONS PRIMARILY VACCINATED AND THE NUMBER OF PERSONS WHO WERE
BERAR IN EACH OF THE UNDER-MENTIONED OFFICIAL YEAR

vaccinated

Total number	Number successfully vaccinated	Total number	Number successfully vaccinated	Total number	Number successfully vaccinated
31st March					
1933		1934		1935	
..	..	..	..	..	..
54,224	48,835	57,068	53,590	59,179	51,263
501,917	445,363	510,223	472,398	504,462	469,241
465	404	353	323	65	61
6,027	3,279	3,189	2,999	3,693	3,629
..	..	..	..	..	..
..	..	..	..	..	..
..	..	..	..	..	..
562,633	497,881	570,833	529,310	567,399	524,194

vaccinated—*concld.*

Total number	Number successfully vaccinated	Total number	Number successfully vaccinated	Total number	Number successfully vaccinated
31st March					
1938		1939		1940	
..	..	..	..	..	..
57,612	54,129	56,939	53,413	65,507	59,779
461,635	423,409	453,503	421,448	428,382	392,182
634	617	98	65	95	50
772	724	4,212	3,968	1,966	1,772
..	..	..	..	..	..
..	..	..	..	..	..
..	..	..	..	..	..
520,653	478,879	514,752	478,894	495,950	453,783

STATEMENT No. V.—SHOWING THE PARTICULARS OF VACCINATION

District	Total number of persons vaccinated		Total number inspected			
			By Civil Surgeons		By Assistant Supdts. or other inspecting officers	
	Primary vaccination	Re-vaccination	Primary vccination	Re-vaccination	Primary vaccination	Re-vaccination
Nagpur ..	32,002	93,424	..	..	17,836	12,730
Wardha ..	13,286	12,816	568	..	1,830	242
Chanda ..	25,740	7,525	1,541	70	3,276	91
Chhindwara ..	28,823	11,313	625	66	6,155	1,462
Betul ..	11,583	3,936	659	15	2,775	107
Jubbulpore ..	26,491	8,454	..	..	2,326	727
Saugor ..	31,481	6,596	709	..	4,457	198
Mandla ..	11,229	4,440	305	..	881	302
Hoshangabad ..	26,139	10,657	384	92	5,129	450
Nimar ..	15,451	6,836	454	15	3,061	636
Raipur ..	44,964	11,366	863	666	7,021	1,724
Bilaspur ..	43,734	4,023	..	..	14,532	115
Drug ..	29,295	3,136	12	..	3,654	378
Bhandara ..	27,639	21,919	3,236	275	3,982	1,603
Balaghat ..	15,429	6,966	1,280	14	3,143	154
Amraoti ..	27,725	11,879	52	658	9,875	1,632
Yeotmal ..	28,028	8,792	699	..	7,603	729
Akola ..	27,651	6,266	237	975	12,995	1,451
Buldana ..	27,199	20,590	1,244	52	9,320	1,461
Total ..	493,889	260,934	12,868	2,898	119,851	26,192

ERIFIED BY INSPECTING OFFICERS DURING THE YEAR 1939-40

Percentage of inspection to total number vaccinated				Percentage of cases found successful to total number inspected				Percentage of success reported by vaccinators	
By Civil Surgeons		By Assistant Supdts. or other inspecting officers		By Civil Surgeons		By Assistant Supdts. or other inspecting officers		Primary vaccination	Re-vaccination
Primary vaccination	Re-vaccination	Primary vaccination	Re-vaccination	Primary vaccination	Re-vaccination	Primary vaccination	Re-vaccination		
..	..	55.73	13.73	..	..	94.26	70.09	96.02	50.42
4.28	..	13.77	1.89	100.00	..	98.42	67.36	98.62	51.98
5.99	0.93	12.73	1.21	99.16	100.00	98.53	26.37	99.22	75.51
2.17	0.58	21.35	12.92	98.40	77.27	90.71	95.35	99.26	62.55
5.69	0.38	33.96	2·72	100.00	100.00	96.28	49.53	99.62	68.21
..	..	8.78	8.60	..	..	98.07	38.79	98.03	33.43
2.25	..	14.16	3.00	99.15	..	96.30	60.61	98.77	37.15
2.72	..	7.85	6.80	100.00	..	91.15	88.08	98.99	72.31
1.47	0.86	19.62	4.22	100.00	100.00	39.73	16.00	95.51	49.90
2.94	0.22	19.81	9.30	97.80	80.00	97.09	53.77	98.50	77.83
1.92	5.86	15.61	15.17	99.65	73.42	97.32	85.62	98.74	79.40
..	..	33.23	2.86	..	..	98.81	50.43	99.64	78.53
0.04	..	12.47	12.05	100.00	..	99.37	93.65	99.13	117.26
11.71	1.25	14.41	7.31	99.51	36.36	96.11	62.57	99.37	59.84
8.30	0.20	20.37	2.21	98.59	42.86	94.37	90.26	99.71	84.51
0.19	5.54	35.62	13.74	11.54	9.42	89.82	51.90	95.42	43.90
2.49	..	27.13	8.29	99.70	..	89.79	32.10	87.11	58.04
0.86	15.56	47.00	23.16	98.73	21.13	88.90	50.31	90.63	35.91
4.57	0.25	34.27	7.10	97.42	34.62	96.08	52.22	95.29	37.53
2.61	1.11	24.27	10.04	98.53	38.65	91.12	65.83	97.16	55.90

APPENDIX A

STATEMENT SHOWING THE NUMBER OF VACCINATIONS PERFORMED IN THE MUNICIPAL TOWNS ON CHILDREN UNDER ONE YEAR OF AGE IN 1939-40

Towns		Number of births during the year	Number of deaths among children under one year during the year	Number of successful vaccinations on children under one year during the year ending the 31st March 1939	Date of extension of Vaccination Act to towns
Nagpur District					
Nagpur	..	11,285	2,563	8,017	29th September 1892
Kamptee	..	832	172	434	28th June 1906.
Umrer	..	752	176	535	15th June 1900.
Ramtek	..	385	82	164	17th September 1906.
Khapa	..	269	69	234	1st October 1915.
Saoner	..	279	43	87	13th July 1914.
Kalmeshwar	..	208	54	146	19th November 1913.
Mowar	..	233	57	114	12th February 1916.
Katol	..	421	84	112	19th November 1912.
Total	..	14,664	3,300	9,843	
Wardha District					
Wardha	..	918	181	904	27th July 1897.
Hinganghat	..	996	204	829	7th September 1899.
Arvi	..	634	99	490	21st May 1900.
Deoli	..	235	42	196	2nd November 1898.
Pulgaon	..	304	63	360	7th October 1905.
Sindi	..	217	40	187	13th November 1916.
Total	..	3,304	629	2,966	
Chanda District					
Chanda	..	1,295	267	796	18th March 1919.
Warora	..	412	80	191.	18th March 1919.
Total	..	1,707	347	987	
Chhindwara District					
Chhindwara	..	773	149	551	6th September 1893.
Pandhurna	..	566	112	314	30th November 1892.
Sausar	..	242	46	87	5th January 1914.
Seoni	..	784	143	364	1st March 1903.
Total	..	2,365	450	1,316	

APPENDIX A—*contd.*

STATEMENT SHOWING THE NUMBER OF VACCINATIONS PERFORMED IN THE MUNICIPAL TOWNS ON CHILDREN UNDER ONE YEAR OF AGE IN 1939-40

Towns		Number of births during the year	Number of deaths among children under one year during the year	Number of successful vaccinations on children under one year during the year ending the 31st March 1939	Date of extension of Vaccination Act to towns
Betul District					
Betul	..	440	93	158	13th May 1896.
Betul Bazar	..	219	31	81	6th September 1916.
Multai	..	128	24	33	6th September 1916.
Total	..	787	148	272	
Jubbulpore District					
Jubbulpore	..	5,834	1,011	3,663	17th July 1897.
Jubbulpore Cantonment	..	536	69	475	15th February 1890.
Sehora	..	396	24	95	18th December 1898.
Murwara	..	990	132	652	28th December 1898.
Total	..	7,756	1,236	4,885	
Saugor District					
Saugor	..	2,281	737	1,243	5th September 1898.
Saugor Cantonment	..	486	74	305	5th September 1898.
Khurai	..	366	67	53	22nd May 1895.
Deori	..	225	40	140	9th October 1899.
Etawah	..	335	70	131	28th April 1916.
Bamora	..	98	22	44	6th May 1920.
Damoh	..	1,632	365	616	22nd December 1892.
Total	..	5,423	1,375	2,532	
Mandla District					
Mandla	..	454	68	177	28th April 1898.
Total	..	454	68	177	
Hoshangabad District					
Hoshangabad	..	560	135	321	5th April 1894.
Harda	..	679	151	434	24th September 1892
Seoni-Malwa	..	276	58	118	19th February 1901.
Itarsi	..	377	96	237	8th March 1916.
Sohagpur	..	366	102	136	8th March 1916.
Piparia	..	188	46	84	1st May 1920.
Pachmarhi	..	167	30	9	8th August 1906.
Narsinghpur	..	563	72	237	29th September 1892.
Kareliganj	..	110	15	48	16th September 1923
Chhota-Chhindwara	..	232	48	77	1st July 1924.
Gadarwara	..	465	131	176	29th September 1892.
Total	..	3,983	884	1,877	

STATEMENT SHOWING THE NUMBER OF VACCINATIONS PERFORMED IN THE MUNICIPAL TOWNS ON CHILDREN UNDER ONE YEAR OF AGE IN 1939-40

Towns		Number of births during the year	Number of deaths among children under one year during the year	Number of successful vaccinations on children under one year during the year ending the 31st March 1939	Date of extension of Vaccination Act to towns
Nimar District					
Khandwa	..	1,482	396	997	28th August 1892.
Burhanpur	..	2,274	411	1,502	16th September 1893.
Total	..	3,756	807	2,499	
Raipur District					
Raipur	..	2,031	482	1,457	25th October 1888.
Dhamtari	..	454	84	186	18th September 1903.
Bhatapara	..	304	66	170	15th February 1916.
Total	..	2,789	632	1,813	
Bilaspur District					
Bilaspur	..	1,161	279	701	30th May 1894.
Champa	..	328	43	112	23rd January 1929.
Kota	..	102	21	186	30th April 1934.
Mungeli	..	382	112	254	Act not extended.
Total	..	1,973	455	1,253	
Drug District					
Drug	..	663	185	363	10th February 1916.
Total	..	663	185	363	
Bhandara District					
Bhandara	..	718	129	611	21st December 1892.
Pauni	..	489	103	139	15th February 1894.
Tumsar	..	428	71	213	27th June 1894.
Gondia	..	629	128	421	16th March 1916.
Total	..	2,264	431	1,384	
Balaghat District					
Balaghat	..	256	39	89	13th July 1903.
Total	..	256	39	89	
Amraoti District					
Amraoti	..	2,616	423	1,592	18th March 1893.
Amraoti Camp	..	449	85	254	18th March 1893.
Ellichpur	..	1,232	225	736	18th March 1893.
Ellichpur Camp	..	375	65	155	8th August 1894.
Anjangaon	..	658	100	536	19th January 1934.
Total	..	5,330	898	3,273	

APPENDIX A—*concld.*

STATEMENT SHOWING THE NUMBER OF VACCINATIONS PERFORMED IN THE MUNICIPAL TOWNS ON CHILDREN UNDER ONE YEAR OF AGE IN 1939-40

Towns	Number of births during the year	Number of deaths among children under one year during the year	Number of successful vaccinations on children under one year during the year ending the 31st March 1939	Date of extension of Vaccination Act to towns
Yeotmal District				
Yeotmal ..	972	129	749	22nd December 1893.
Digras ..	321	46	222	22nd April 1910.
Wun ..	507	85	400	22nd April 1910.
Darwha ..	344	60	258	27th February 1932
Pusad ..	372	43	283	3rd February 1932.
Panderkaora ..	320	46	237	1st October 1931.
Umerkhed ..	379	52	206	30th June 1922.
Ghatanji ..	149	14	73	3rd February 1932.
Total ..	3,364	475	2,428	
Akola District				
Akola ..	2,400	307	1,946	1st April 1894.
Akot ..	824	73	612	18th March 1893.
Basim ..	649	83	351	18th March 1893.
Karanja ..	763	115	527	1st April 1897.
Murtizapur ..	475	93	283	11th May 1917.
Balapur ..	436	89	233	The Act not brought into force.
Total ..	5,547	760	3,952	
Buldana District				
Buldana ..	278	43	250	2nd December 1893.
Khamgaon ..	1,030	131	857	18th March 1893.
Shegaon ..	662	105	426	6th August 1894.
Malkapur ..	749	48	705	2nd February 1911.
Jalgaon ..	392	46	271	27th September 1928.
Nandura ..	612	136	168	16th July 1931.
Deolgaon Raja ..	288	57	162	11th August 1932.
Chikhli ..	320	57	220	9th March 1933.
Mehkar ..	238	35	132	9th March 1933.
Total ..	4,569	658	3,191	
Grand Total ..	70,954	13,777	45,100	

STATEMENT SHOWING THE ANNUAL MORTALITY FROM SMALLPOX PROTECTED BY VACCINATION DURING

Year		Nagpur	Wardha	Chanda
1933-34 ..	Annual mortality from smallpox ..	22	159	27
	Annual proportion of persons protected by vaccination per 1,000 of population.	36.76	34.89	30.72
1934-35 ..	Annual mortality from smallpox ..	175	178	34
	Annual proportion of persons protected by vaccination per 1,000 of population.	37.55	33.48	40.43
1935-36 ..	Annual mortality from smallpox ..	..	62	86
	Annual proportion of persons protected by vaccination per 1,000 of population.	38.31	31.56	38.15
1936-37 ..	Annual mortality from smallpox ..	358	64	10
	Annual proportion of persons protected by vaccination per 1,000 of population.	36.03	30.35	31.87
1937-38 ..	Annual mortality from smallpox ..	97	7	6
	Annual proportion of persons protected by vaccination per 1,000 of population.	26.70	29.11	36.64
1938-39 ..	Annual mortality from smallpox ..	34	22	1
	Annual proportion of persons protected by vaccination per 1,000 of population. ..	26.41	31.08	38.26
1939-40 ..	Annual mortality from smallpox ..	666	61	101
	Annual proportion of persons protected by vaccination per 1,000 of population. ..	50.53	31 36	33.26

Year		Nimar	Raipur	Bilaspur
1933-34 ..	Annual mortality from smallpox ..	86	56	78
	Annual proportion of persons protected by vaccination per 1,000 of population.	46.07	39.97	30.21
1934-35 ..	Annual mortality from smallpox ..	207	160	107
	Annual proportion of persons protected by vaccination per 1,000 of population.	39.47	40.09	34.74
1935-36 ..	Annual mortality from smallpox ..	73	89	443
	Annual proportion of persons protected by vaccination per 1,000 of population.	36.46	37.69	31.95
1936-37 ..	Annual mortality from smallpox ..	22	69	67
	Annual proportion of persons protected by vaccination per 1,000 of population.	32.73	35.41	30.37
1937-38 ..	Annual mortality from smallpox ..	88	18	42
	Annual proportion of persons protected by vaccination per 1,000 of population.	37.71	38.50	33.37
1938-39 ..	Annual mortality from smallpox ..	169	3	1
	Annual proportion of persons protected by vaccination per 1,000 of population. ..	50.23	33.52	33.80
1939-40 ..	Annual mortality from smallpox ..	171	45	38
	Annual proportion of persons protected by vaccination per 1,000 of population.	38.80	33.58	28.84

B

FOR SEVEN YEARS AND THE ANNUAL PROPORTION OF PERSONS
EACH OF THE SEVEN YEARS

Chhindwara	Betul	Jubbulpore	Saugor	Mandla	Hoshanaabad
85 41.18	2 33.62	21 37.73	153 39.95	102 45.53	103 33.63
17 35.50	17 35.50	37 33.79	176 36.56	278 51.93	172 34.43
172 35.32	172 35.32	19 41.89	185 43.28	30 40.39	104 33.14
49 29.94	49 29.94	18 36.28	99 38.43	10 40.63	26 33.29
25 38.31	1 26.57	4 32.24	1 35.07	1 31.75	33 32.02
8 39.43	.. 26.70	39 32.71	1 34.63	.. 33.71	134 31.04
39 32.65	7 28.10	159 29.96	92 30.93	7 26.52	308 32.36

Drug	Bhandara	Balaghat	Amraoti	Yeotmal	Akola	Buldana
43 46.07	62 40.74	3 29.49	9 35.89	2 32.72	12 36.35	62 34.85
40 41.14	97 38.01	41 31.70	65 37.58	104 35.72	73 36.12	94 38.76
54 38.17	22 37.93	50 34.31	171 34.63	584 47.09	308 39.61	409 38.61
8 42.70	2 39.36	14 37.93	74 32.40	233 32.16	55 33.23	140 31.55
2 59.95	.. 38.90	.. 35.16	7 32.76	1 30.40	3 28.24	40 36.77
1 38.39	8 39.96	.. 32.79	14 35.04	1 29.23	1 28.23	30 35.44
8 35.28	36 39.10	4 31.11	16 29.80	48 28.04	9 26.49	114 38.64

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